

WHAT IS CLAIMED IS:

1. A compound of the formula (I):



wherein:

- 5 A is selected from the group consisting of:

-C₁₋₆alkyl and -C₃₋₈cycloalkyl;

phenyl, which is substituted with 0-2 R¹ groups;

naphthyl, which is substituted with 0-2 R¹ groups; and

- 10 a 3-10 membered aromatic or non-aromatic heterocyclic ring system which may be a monocyclic ring system or a fused bicyclic ring system, wherein the heterocyclic ring system contains 1-4 heteroatoms selected from N, O and S and is substituted with 0-2 R¹ groups;

R¹ is independently selected from the group consisting of:

- 15 Halo, -CN, -C(=O)-N(R², R³), -NO₂, -SO₂N(R², R³), -SO₂R², -(CH₂)_mNR²R³, -(CH₂)_m-C(=NR³)-R², -(CH₂)_m-C(=NR²)-N(R², R³), -(CH₂)_m-N(R²)-C(=NR²)-N(R², R³), -(CH₂)_mNR²-C₃₋₆heterocyclics, C₁₋₄alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, C₃₋₈cycloalkyl, C₀₋₄alkylC₃₋₈cycloalkyl, -CF₃, -OR², and a 5-6 membered heterocyclic system containing from 1-4 heteroatoms selected from N, O and S, wherein from 1-4 hydrogen atoms on the heterocyclic system may be
20 independently replaced with a member selected from the group consisting of halo, C₁₋₄-alkyl, -CN C₁₋₄alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, C₃₋₈cycloalkyl, C₀₋₄alkylC₃₋₈cycloalkyl and -NO₂;

R² and R³ are independently selected from the group consisting of:

-H, -C₁₋₆alkyl, -C₁₋₆alkyloxy, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₆alkylC₃₋₈cycloalkyl and -C₀₋₆alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting of
5 halo, -C₁₋₄alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₄alkylC₃₋₈cycloalkyl, -S(=O)₂-OH, -CN, -CF₃ and -NO₂;

m is an integer of 0-2;

Q is selected from the group consisting of:

10 a direct link, divalent -C₁₋₄alkyl, divalent -C₂₋₄alkenyl, divalent -C₂₋₄alkynyl, -C(=O)-, -C(=NH)-, -C(=NMe)-, -NH-C(=NH)-, -NH-C(=NMe)-, -N(-R⁴)-, -N(-R⁴)-CH₂-, -C(=O)-N(-R⁴)-, -N(-R⁴)-C(=O)-, -S(=O)₂-, -O-, -S(=O)₂-N(-R⁴)- and -N(-R⁴)-S(=O)₂-, wherein one or more hydrogens on each of the divalent C₁₋₄alkyl, divalent C₂₋₄alkenyl and divalent C₂₋₄alkynyl moieties can be replaced with a -R⁴ group;

15 R⁴ is selected from the group consisting of:

20 -H, -C₁₋₆alkyl, -C₁₋₆alkyloxy, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₆alkylC₃₋₈cycloalkyl and -C₀₋₆alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting of halo, -C₁₋₄alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₄alkylC₃₋₈cycloalkyl, -S(=O)₂-OH, -CN, -CF₃ and -NO₂;

D is selected from the group consisting of:

a direct link;

phenyl, which is substituted with 0-2 R^{1a} groups; and

a 5-10 membered aromatic or non-aromatic heterocyclic ring system which may be a monocyclic ring system or a fused bicyclic ring system, wherein the heterocyclic ring system contains 1-4 heteroatoms selected from N, O and S and the ring system is substituted with 0-2 R^{1a} groups;

5 R^{1a} is independently selected from the group consisting of:

halo, -C₁₋₆alkyl, -C₁₋₆alkyloxy, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₆alkylC₃₋₈cycloalkyl, -S(=O)₂-OH, -CN, -NO₂, -(CH₂)_n-N(-R^{2a}, -R^{3a}), -S(=O)₂-N(-R^{2a}, -R^{3a}), -S(=O)₂-R^{2a}, -CF₃, -(CH₂)_n-OR^{2a}, -C(=O)-O-R^{2a}, -C(=O)-N(-R^{2a}, -R^{3a}), -C(=NH)-N(-R^{2a}, -R^{3a}), -C(=NMe)-N(-R^{2a}, -R^{3a}), 2-
10 imidazolin-2-yl, 1-methyl-2-imidazolin-2-yl and a 5-6 membered aromatic heterocyclic ring containing 1-4 heteroatoms selected from N, O and S and -C₀₋₆alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the aromatic heterocyclic ring and the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting
15 of halo, -C₁₋₄alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₄alkylC₃₋₈cycloalkyl, -CN, -CF₃ and -NO₂;

n is an integer of 0-2;

R^{2a} and R^{3a} are independently selected from the group consisting of:

-H, -C₁₋₆alkyl, -C₁₋₆alkyloxy, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₆alkylC₃₋₈cycloalkyl and -C₀₋₆alkyl-(carbocyclic aryl), wherein from 0-4
20 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting of halo, -C₁₋₄alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₄alkylC₃₋₈cycloalkyl, -S(=O)₂-OH, -CN, -CF₃ and -NO₂;

25 E is selected from the group consisting of:

a direct link, $-(CH_2)_q-C(=O)-$, $-(CH_2)_q-N(R^5)-C(=O)-(CH_2)_x-$,
 $-(CH_2)_q-C(=O)-N(R^5)-(CH_2)_x-$, $-(CH_2)_q-N(R^5)-(CH_2)_x-$, , $-(CH_2)_q-N(R^5)CO-$
 $NR^6(CH_2)_x$ and $-SO_2-$;

q and x are independently an integer of 0-2;

5 R^5 and R^6 are independently selected from the group consisting of:

-H, $-C_{1-6}alkyl$, $-C_{1-6}alkyloxy$, $-C_{2-6}alkenyl$, $-C_{2-6}alkynyl$, $-C_{3-8}cycloalkyl$,
 $-C_{0-6}alkylC_{3-8}cycloalkyl$, $-C_{1-4}alkyl-C(=O)-OH$, $-C_{0-6}alkyl-(carbocyclic\ aryl)$,
 $-C_{0-4}alkyl-(monocyclic\ heteroaryl)$ and $-C_{1-4}alkyl-C(=O)-O-C_{1-4}alkyl$, wherein
10 from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety and
the monocyclic heteroaryl moieties may be independently replaced with a
member selected from the group consisting of halo, $-C_{1-4}alkyl$, $-C_{2-6}alkenyl$,
 $-C_{2-6}alkynyl$, $-C_{3-8}cycloalkyl$, $-C_{0-4}alkylC_{3-8}cycloalkyl$, $-S(=O)_2-OH$, $-CN$, $-CF_3$
and $-NO_2$;

G is selected from the group consisting of:

15 phenyl, which is substituted with 0-2 R^{1b} groups; and

a 5-6 membered aromatic heterocyclic ring containing 1-4 hetero atoms
selected from N, O and S wherein the heterocyclic ring is substituted with 0-2
 R^{1b} groups;

R^{1b} is independently selected from the group consisting of:

20 halo, $-C_{1-6}alkyl$, $-C_{2-6}alkenyl$, $-C_{2-6}alkynyl$, $-C_{3-8}cycloalkyl$,
 $-C_{0-6}alkylC_{3-8}cycloalkyl$, $-C_{1-4}alkyl-C(=O)-OH$, $-CN$, $-NO_2$, $-S(=O)_2-OH$,
 $-N(R^{2b}, R^{3b})$, $-C(=O)-N(R^{2b}, R^{3b})$, $-S(=O)_2-N(R^{2b}, R^{3b})$, $-S(=O)_2-R^{2b}$, $-CF_3$,
 $-O-R^{2b}$, $-O-CH_2-CH_2-O-R^{2b}$, $-O-CH_2-C(=O)-O-R^{2b}$, $-N(R^{2b})-CH_2-CH_2-O-R^{2b}$,
 $-N(-CH_2-CH_2-O-R^{2b})_2$, $-N(R^{2b})-C(=O)-R^{3b}$, $-N(R^{2b})-S(=O)_2-R^{3b}$, and a 5-6

membered heterocyclic ring containing 1-4 heteroatoms selected from N, O and S substituted with 0-4 R^{1b'} groups;

alternatively, when two R^{1b} may be present on adjacent ring atoms of G and combine to form a benzene ring substituted with 0-4 R^{1b'} groups or a 5-6
5 membered aromatic or non-aromatic heterocyclic ring having 1-3 heteroatoms selected from N, O and S substituted with 0-4 R^{1b'} groups;

in a second alternative, one of the R^{1b} groups of G can cyclize with the -N-R⁵ group of E to form a 5-7 membered heterocyclic ring containing 1-4 heteroatoms selected from N, O and S, which is substituted with 0-4 R^{1b'}
10 groups, wherein two of the R^{1b'} groups attached to the same ring carbon may form a (=O) group;

R^{2b} and R^{3b} are independently selected from the group consisting of:

-H, -C₁₋₆alkyl, -C₁₋₆alkyloxy, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₆alkylC₃₋₈cycloalkyl and -C₀₋₆alkyl-(carbocyclic aryl), wherein from 0-4
15 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be independently replaced with a member selected from the group consisting of halo, -C₁₋₄alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₄alkylC₃₋₈cycloalkyl, -S(=O)₂-O⁻, -CN, -CF₃ and -NO₂;

R^{1b'} is independently selected from the group consisting of:

20 halo, -C₁₋₆alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₆alkylC₃₋₈cycloalkyl, -C₁₋₄alkyl-C(=O)-OH, -CN, -NO₂, -S(=O)₂-OH, -N(-R^{2b'}, -R^{3b'}), -C(=O)-N(-R^{2b'}, -R^{3b'}), -S(=O)₂-N(-R^{2b'}, -R^{3b'}), -S(=O)₂-R^{2b'}, -CF₃, -O-R^{2b'}, -O-CH₂-CH₂-O-R^{2b'}, -O-CH₂-C(=O)-O-R^{2b'}, -N(-R^{2b'})-CH₂-CH₂-O-R^{2b'}, -N(-CH₂-CH₂-O-R^{2b'})₂, -N(-R^{2b'})-C(=O)-R^{3b'} and
25 -N(-R^{2b'})-S(=O)₂-R^{3b'};

R^{2b'} and R^{3b'} are independently selected from the group consisting of:

-H, -C₁₋₆alkyl, -C₁₋₆alkoxy, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₆alkylC₃₋₈cycloalkyl and -C₀₋₆alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be
5 independently replaced with a member selected from the group consisting of halo, -C₁₋₄alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₄alkylC₃₋₈cycloalkyl, -S(=O)₂-OH, -CN, -CF₃ and -NO₂;

J is selected from the group consisting of:

a direct link, -S(=O)₂-, -C(=O)-, -N(-R⁷)-S(=O)₂-, -C(=O)-N(-R⁷)-S(=O)₂-,
10 -C(=O)-N(-R⁷)-(CH₂)_y-, -S(=O)₂-N(-R⁷)-(CH₂)_y-, and
-N(-R⁷)-C(=O)-(CH₂)_y-;

y is an integer of 0-2;

R⁷ is selected from the group consisting of:

-H, -C₂₋₄alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl,
15 -C₀₋₆alkylC₃₋₈cycloalkyl, -C₁₋₆alkyl-C(=O)-OH, -C₁₋₆alkyl-OH,
-C₁₋₆alkyl-O-C₁₋₄alkyl, -C₀₋₄alkyl-(carbocyclic aryl), -C₀₋₄alkyl-(monocyclic or bicyclic heterocyclic ring system having from 0-4 heteroatoms selected from the group consisting of N, O and S), -CH₂-C(=O)-O-C₁₋₄alkyl and
-CH₂-C(=O)-O-C₁₋₄alkyl-(carbocyclic aryl), wherein from 0-4 hydrogen atoms
20 on the ring atoms of the carbocyclic aryl moiety or the heterocyclic ring system may be independently replaced with a member selected from the group consisting of halo, -C₁₋₄alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₄alkylC₃₋₈cycloalkyl, -S(=O)₂-OH, -CN, -CF₃ and -NO₂;

X is a member selected from the group consisting of:

25 phenyl, which is substituted with 0-3 R^{1c} groups;

naphthyl, which is substituted with 0-3 R^{1c} groups;

a 6-membered heteroaromatic ring containing from 1-2 nitrogen atoms, wherein the ring is substituted with 0-3 R^{1c} groups; and

5 a fused heterobicyclic ring system, wherein the ring system contains 1-3 heteroatoms selected from N, O and S and is substituted with 0-3 R^{1c} groups;

R^{1c} is independently selected from the group consisting of:

halo, -CF₃, -C₁₋₆alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl, -C₀₋₆alkylC₃₋₈cycloalkyl, -C₁₋₄alkyl-C(=O)-OH, -CF₃, -CN, -NO₂,
10 -(CH₂)_z-N(-R^{2c}, -R^{3c}), -C(=O)-N(-R^{2c}, -R^{3c}), -C(=NH)-N(-R^{2c}, -R^{3c}),
-C(=NMe)-N(-R^{2c}, -R^{3c}), -S(=O)₂-N(-R^{2c}, -R^{3c}), -S(=O)₂-R^{2c}, -S(=O)₂-OH,
-CF₃, -O-R^{2c}, -O(-CH₂)_z-O-R^{2c}, -O(-CH₂)_z-C(=O)-O-R^{2c}, -N(-R^{2c}),
-O(-CH₂)_z-O-R^{2c}, -N[(-CH₂)_z-O-R^{2c}]₂, -(CH₂)_z-N(-R^{2c})-C(=O)-R^{3c},
-(CH₂)_z-N(-R^{2c})-S(=O)₂-R^{3c}, and a 5-6 membered heterocyclic ring containing
1-4 heteroatoms selected from N, O and S;

15 z is an integer of 0-4;

R^{2c} and R^{3c} are independently selected from the group consisting of:

-H, -C₁₋₆alkyl, -C₁₋₆alkyloxy, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl,
-C₀₋₆alkylC₃₋₈cycloalkyl and -C₀₋₆alkyl-(carbocyclic aryl), wherein from 0-4
20 hydrogen atoms on the ring atoms of the carbocyclic aryl moiety may be
independently replaced with a member selected from the group consisting of
halo, -C₁₋₄alkyl, -C₂₋₆alkenyl, -C₂₋₆alkynyl, -C₃₋₈cycloalkyl,
-C₀₋₄alkylC₃₋₈cycloalkyl, -S(=O)₂-OH, -CN, -CF₃ and -NO₂;

and all pharmaceutically acceptable isomers, salts, hydrates, solvates and prodrug derivatives thereof.

25

2. A compound of claim 1, wherein:

A is selected from the group consisting of:

-C₁₋₆alkyl and -C₃₋₈cycloalkyl;

5 phenyl, which is substituted with 0-2 R¹ groups;

naphthyl, which is substituted with 0-2 R¹ groups; and

a 3-10 membered aromatic or non-aromatic heterocyclic ring system which may be a monocyclic ring system or a fused bicyclic ring system, wherein the heterocyclic ring system contains 1-4 heteroatoms selected from N, O and S and is substituted with 0-2 R¹ groups;

R¹ is independently selected from the group consisting of:

halo, -C₁₋₄alkyl, -CN, -NO₂, -(CH₂)_m-N(-R², -R³), -C(=O)-N(-R², -R³), -S(=O)₂-N(-R², -R³), -S(=O)₂-R², -(CH₂)_m-C(=NR³)-R², -(CH₂)_m-C(=NR²)-N(R², R³), -(CH₂)_m-N(R²)-C(=NR²)-N(R², R³), -CF₃, -(CH₂)_m-O-R² and a 5-6 membered aromatic heterocyclic ring containing 1-4 heteroatoms selected from N, O and S;

R² and R³ are independently selected from the group consisting of:

-H, -C₁₋₄alkyl and -C₀₋₄alkyl-(carbocyclic aryl);

m is an integer of 0-2;

20 Q is selected from the group consisting of:

a direct link, -C₁₋₄alkyl, -C₂₋₄alkenyl, -C₂₋₄alkynyl, -C(=O)-, -C(=NH)-, -C(=NMe)-, -N(-R⁴)-, -N(-R⁴)-CH₂-, -C(=O)-N(-R⁴)-, -N(-R⁴)-C(=O)-, -S(=O)₂-, -O-, -S(=O)₂-N(-R⁴)- and -N(-R⁴)-S(=O)₂-;

R⁴ is selected from the group consisting of:

5 -H, -C₁₋₄alkyl and -C₀₋₄alkyl-(carbocyclic aryl);

D is selected from the group consisting of:

a direct link;

phenyl, which is substituted with 0-2 R^{1a} groups; and

10 a 5-10 membered aromatic or non-aromatic heterocyclic ring system which may be a monocyclic ring system or a fused bicyclic ring system, wherein the heterocyclic ring system contains 1-4 heteroatoms selected from N, O and S and the ring system is substituted with 0-2 R^{1a} groups;

R^{1a} is independently selected from the group consisting of:

15 halo, -C₁₋₄alkyl, -CN, -NO₂, -(CH₂)_n-N(-R^{2a}, -R^{3a}), -S(=O)₂-N(-R^{2a}, -R^{3a}), -S(=O)₂-R^{2a}, -CF₃, -(CH₂)_n-OR^{2a}, -C(=O)-O-R^{2a}, -C(=O)-N(-R^{2a}, -R^{3a}) and a 5-6 membered aromatic heterocyclic ring containing 1-4 heteroatoms selected from N, O and S;

n is an integer of 0-2;

R^{2a} and R^{3a} are independently selected from the group consisting of:

20 -H, -C₁₋₄alkyl, and -C₁₋₄alkyl-(carbocyclic aryl);

E is selected from the group consisting of:

a direct link, $-(CH_2)_q-C(=O)-$, $-(CH_2)_q-N(-R^5)-C(=O)-(CH_2)_x-$,
 $-(CH_2)_q-C(=O)-N(-R^5)-(CH_2)_x-$, $-(CH_2)_q-N(-R^5)-(CH_2)_x-$, $-(CH_2)_q-N(R^5)CO-$
 $NR^6(CH_2)_x-$ and $-SO_2-$;

q and x are independently an integer of 0-2;

5 R^5 and R^6 are independently selected from the group consisting of:

$-H$, $-C_{1-4}alkyl$, $-C_{0-4}alkyl-(carbocyclic\ aryl)$, $-C_{0-4}alkyl-(monocyclic\ heteroaryl)$, $-C_{1-4}alkyl-C(=O)-OH$ and
 $-C_{1-4}alkyl-C(=O)-O-C_{1-4}alkyl$;

G is selected from the group consisting of:

10 phenyl, which is substituted with 0-2 R^{1b} groups; and

a 5-6 membered aromatic heterocyclic ring containing 1-4 hetero atoms selected from O, S and N, wherein the heterocyclic ring is substituted with 0-2 R^{1b} groups;

R^{1b} is independently selected from the group consisting of:

15 halo, $-C_{1-4}alkyl$, $-CN$, $-NO_2$, $-N(-R^{2b}, -R^{3b})$, $-C(=O)-N(-R^{2b}, -R^{3b})$,
 $-S(=O)_2-N(-R^{2b}, -R^{3b})$, $-S(=O)_2-R^{2b}$, $-CF_3$, $-O-R^{2b}$, $-O-CH_2-CH_2-O-R^{2b}$,
 $-O-CH_2-C(=O)-O-R^{2b}$, $-N(-R^{2b})-CH_2-CH_2-O-R^{2b}$, $-N(-CH_2-CH_2-O-R^{2b})_2$,
 $-N(-R^{2b})-C(=O)-R^{3b}$, $-N(-R^{2b})-S(=O)_2-R^{3b}$ and a 5-6 membered heterocyclic ring containing 1-4 heteroatoms selected from N, O and S;

20 alternatively, when two R^{1b} may be present on adjacent ring atoms of G and combine to form a benzene ring substituted with 0-4 $R^{1b'}$ groups or a 5-6 membered aromatic or non-aromatic heterocyclic ring having 1-3 heteroatoms selected from N, O and S substituted with 0-4 $R^{1b'}$ groups;

in a second alternative, one of the R^{1b} groups of G can cyclize with the $-N-R^5$ group of E to form a 5-7 membered saturated, unsaturated or partially unsaturated heterocyclic ring containing 1-4 heteroatoms selected from N, O and S, which is substituted with 0-4 R^{1b} groups, wherein two of the R^{1b} groups attached to the same ring carbon may form a $(=O)$ group;

R^{2b} and R^{3b} are independently selected from the group consisting of:

$-H$, $-C_{1-4}alkyl$ and $-C_{1-4}alkyl-(carbocyclic\ aryl)$;

$R^{1b'}$ is independently selected from the group consisting of:

halo, $-C_{1-4}alkyl$, $-CN$, $-NO_2$, $-N(-R^{2b'}, -R^{3b'})$, $-C(=O)-N(-R^{2b'}, -R^{3b'})$,
 $-S(=O)_2-N(-R^{2b'}, -R^{3b'})$, $-S(=O)_2-R^{2b'}$, $-CF_3$, $-O-R^{2b'}$, $-O-CH_2-CH_2-O-R^{2b'}$,
 $-O-CH_2-C(=O)-O-R^{2b'}$, $-N(-R^{2b'})-CH_2-CH_2-O-R^{2b'}$, $-N(-CH_2-CH_2-O-R^{2b'})_2$,
 $-N(-R^{2b'})-C(=O)-R^{3b'}$, $-N(-R^{2b'})-S(=O)_2-R^{3b'}$;

$R^{2b'}$ and $R^{3b'}$ are independently selected from the group consisting of:

$-H$, $-C_{1-4}alkyl$ and $-C_{1-4}alkyl-(carbocyclic\ aryl)$;

J is selected from the group consisting of:

a direct link, $-S(=O)_2-$, $-C(=O)-$, $-N(-R^7)-S(=O)_2-$, $-C(=O)-N(-R^7)-S(=O)_2-$,
 $-C(=O)-N(-R^7)-(CH_2)_y-$, $-S(=O)_2-N(-R^7)-$, $-(CH_2)_y-$ and
 $-N(-R^7)-C(=O)-(CH_2)_y-$;

y is an integer of 0-2;

R^7 is selected from the group consisting of:

$-H$, $-C_{1-4}alkyl$, $-C_{2-6}alkenyl$, $-C_{2-6}alkynyl$, $-C_{0-4}alkyl-(carbocyclic\ aryl)$,
 $-C_{0-4}alkyl-(heterocyclic\ ring\ system)$, $-CH_2-C(=O)-O-C_{1-4}alkyl$ and
 $-CH_2-C(=O)-O-C_{1-4}alkyl-(carbocyclic\ aryl)$;

X is selected from the group consisting of:

phenyl, which is substituted with 0-3 R^{1c} groups;

naphthyl, which is substituted with 0-3 R^{1c} groups;

5 a 6-membered heteroaromatic ring containing from 1-2 nitrogen atoms, wherein the ring is substituted with 0-3 R^{1c} groups; and

a fused heterobicyclic ring system, wherein the ring system contains 1-3 heteroatoms selected from N, O and S and is substituted with 0-3 R^{1c} groups;

R^{1c} is independently selected from the group consisting of:

10 halo, -C₁₋₄alkyl, -CN, -NO₂, -(CH₂)_z-N(-R^{2c}, -R^{3c}), -C(=O)-N(-R^{2c}, -R^{3c}), -C(=NH)-N(-R^{2c}, -R^{3c}), -C(=NMe)-N(-R^{2c}, -R^{3c}), -S(=O)₂-N(-R^{2c}, -R^{3c}), -S(=O)₂-R^{2c}, -S(=O)₂-O⁻, -CF₃, -O-R^{2c}, -O-CH₂-CH₂-O-R^{2c}, -O-CH₂-C(=O)-O-R^{2c}, -N(-R^{2c})-CH₂-CH₂-O-R^{2c}, -N(-CH₂-CH₂-O-R^{2c})₂, -(CH₂)_z-N(-R^{2c})-C(=O)-R^{3c}, -(CH₂)_z-N(-R^{2c})-S(=O)₂-R^{3c}, and a 5-6 membered heterocyclic ring containing 1-4 heteroatoms selected from N, O and S;

15 z is an integer of 0-2;

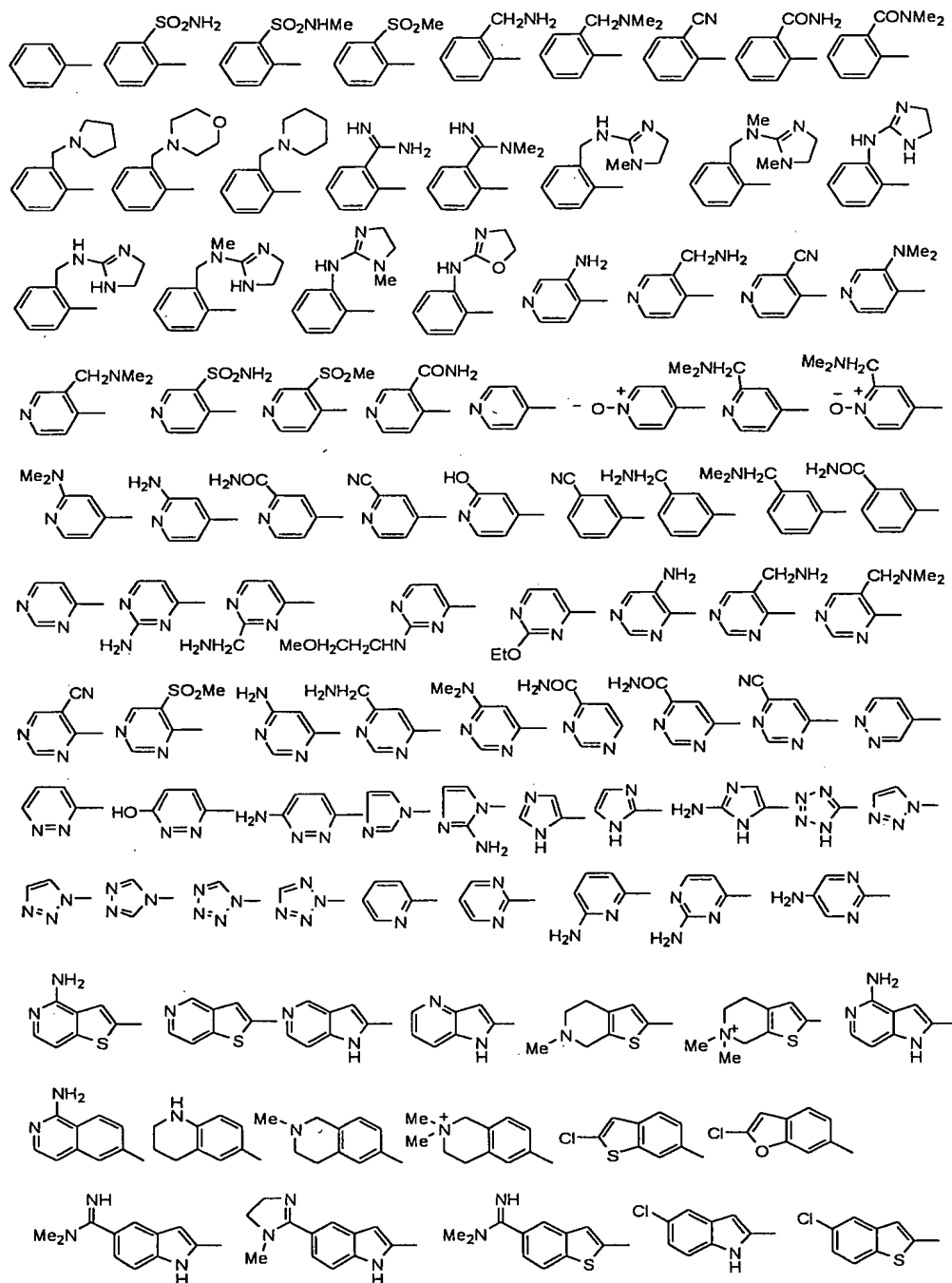
R^{2c} and R^{3c} are independently selected from the group consisting of:

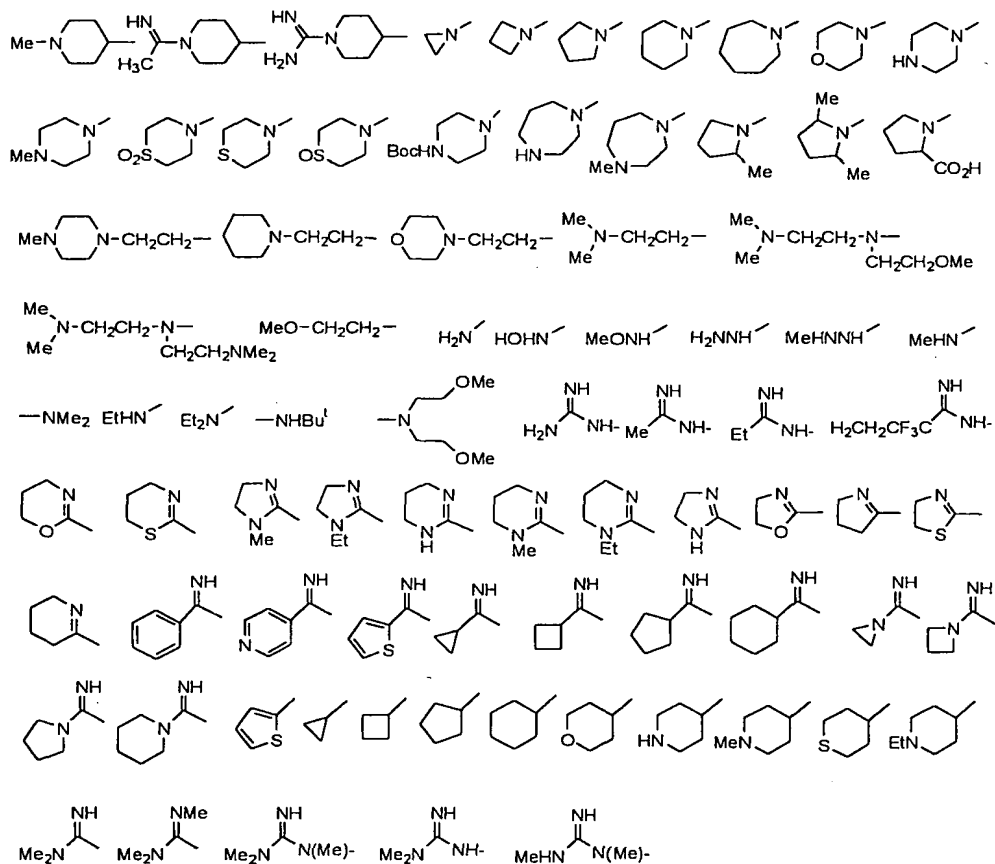
-H, -C₁₋₄alkyl and -C₁₋₄alkyl-(carbocyclic aryl);

and all pharmaceutically acceptable isomers, salts, hydrates, solvates and prodrug derivatives, thereof.

20 3. A compound of claim 1, wherein:

A is selected from the group consisting of:





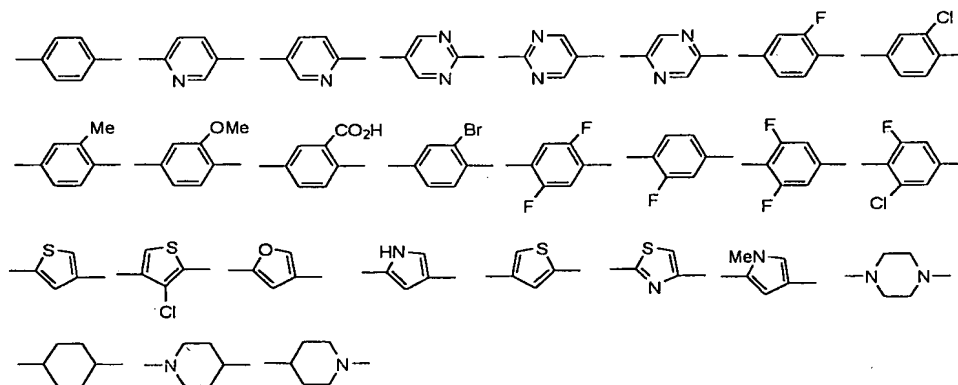
Q is selected from the group consisting of:

a direct link, -C(=NH), -C(=NMe)-, -C(=O)-, -CH₂-, -NH-, -N(-CH₃)-, -O-, -NH-CH₂-, -CH₂-NH-, -N(-CH₃)-CH₂-, and -CH₂-N(-CH₃)-

5

D is selected from the group consisting of:

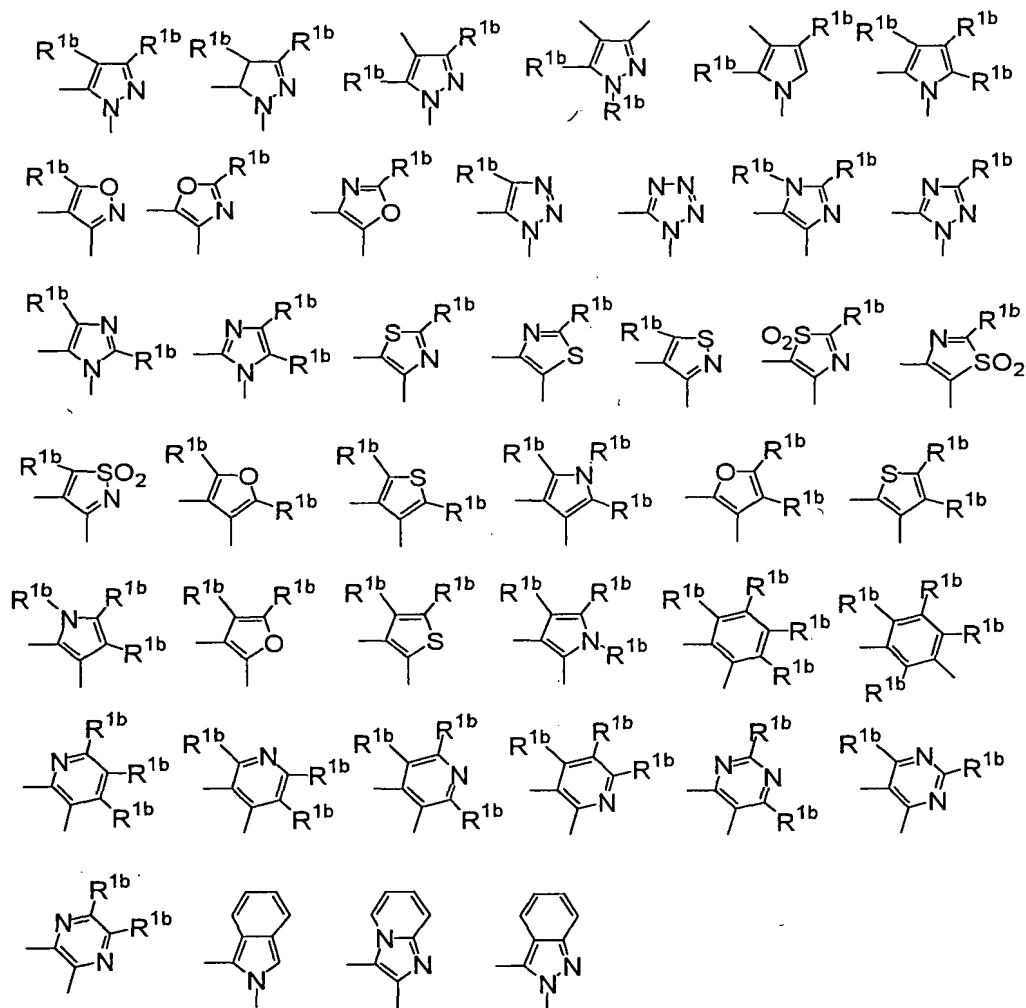
10



E is selected from the group consisting of:

- 5 a direct link, $-\text{NH}-\text{C}(=\text{O})-$, $-\text{N}(-\text{CH}_3)-\text{C}(=\text{O})-$, $-\text{N}(-\text{CH}_2\text{CO}_2\text{H})-\text{C}(=\text{O})-$, $-\text{C}(=\text{O})-\text{NH}-$, $-\text{C}(=\text{O})-\text{N}(-\text{CH}_3)-$, $-\text{NH}-\text{CH}_2-$ and $-\text{CH}_2-\text{NH}-$;

G is a member selected from the group consisting of:



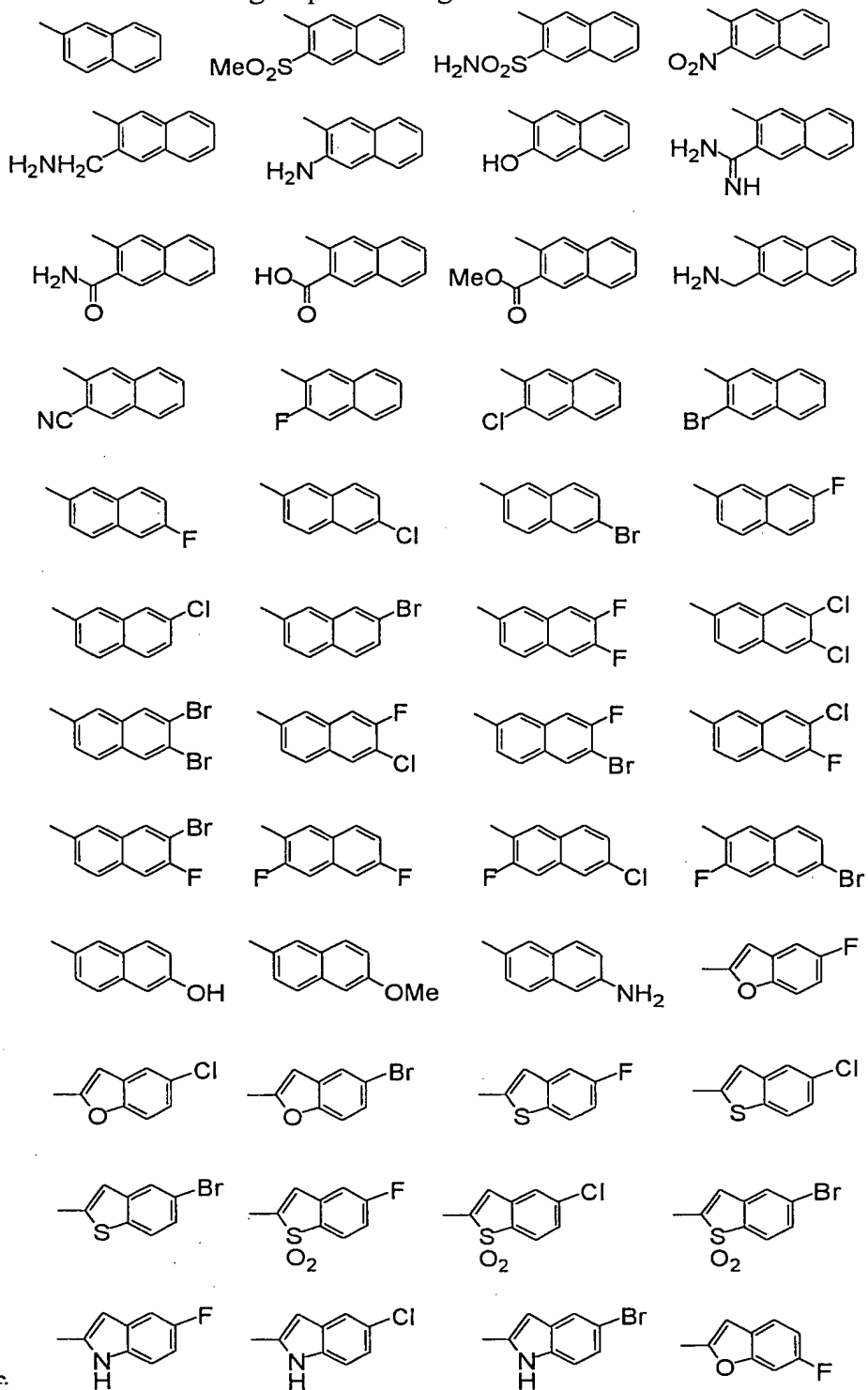
R^{1b} is selected from the group consisting of:

-H, -Me, -CF₃, -F, -Cl, -Br, -SO₂Me, -CN, -CONH₂, -CONMe₂, -NH₂, -NO₂, -NHCOMe, -NHSO₂Me, -CH₂NH₂ and -CO₂H;

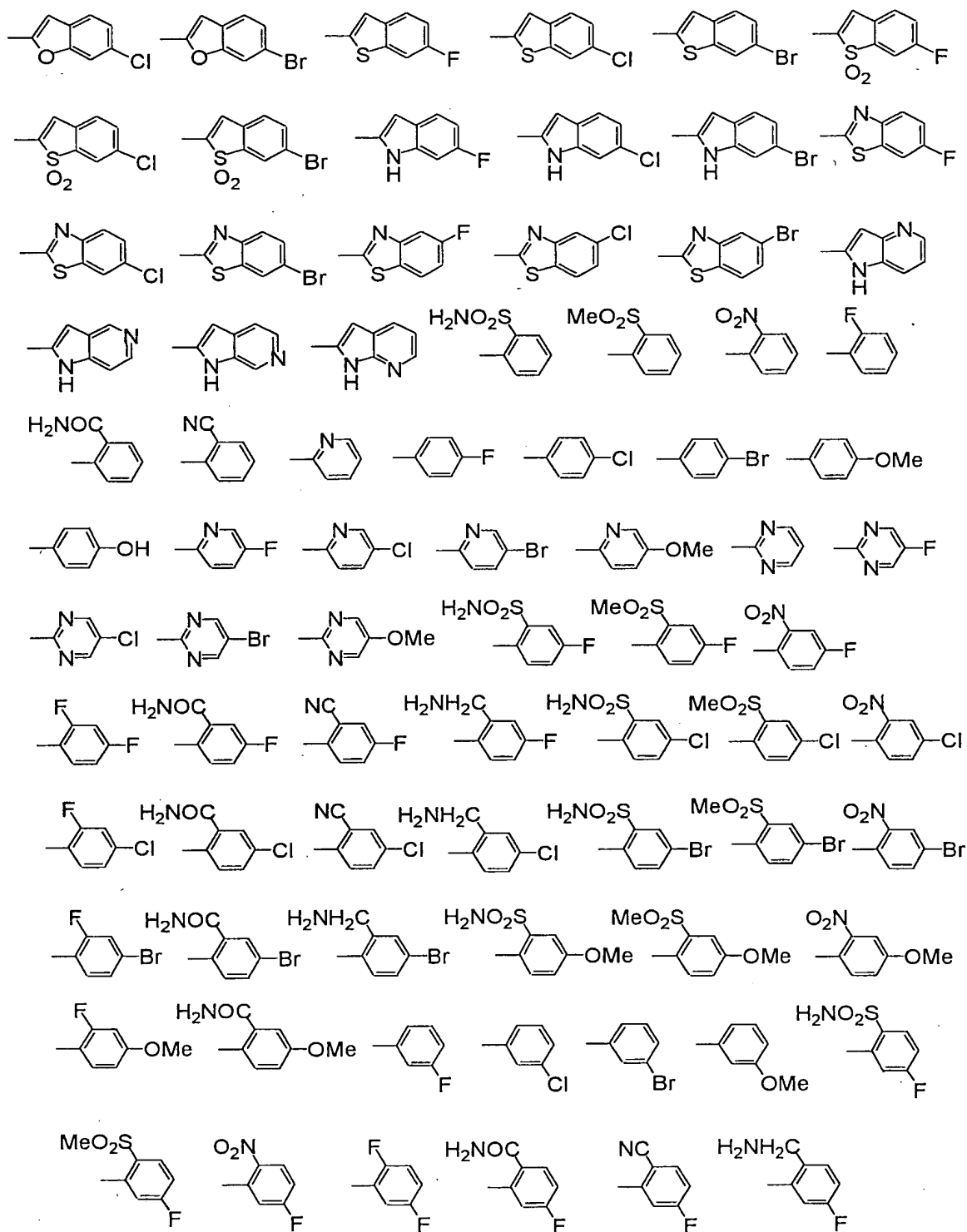
5 J is selected from the group consisting of:

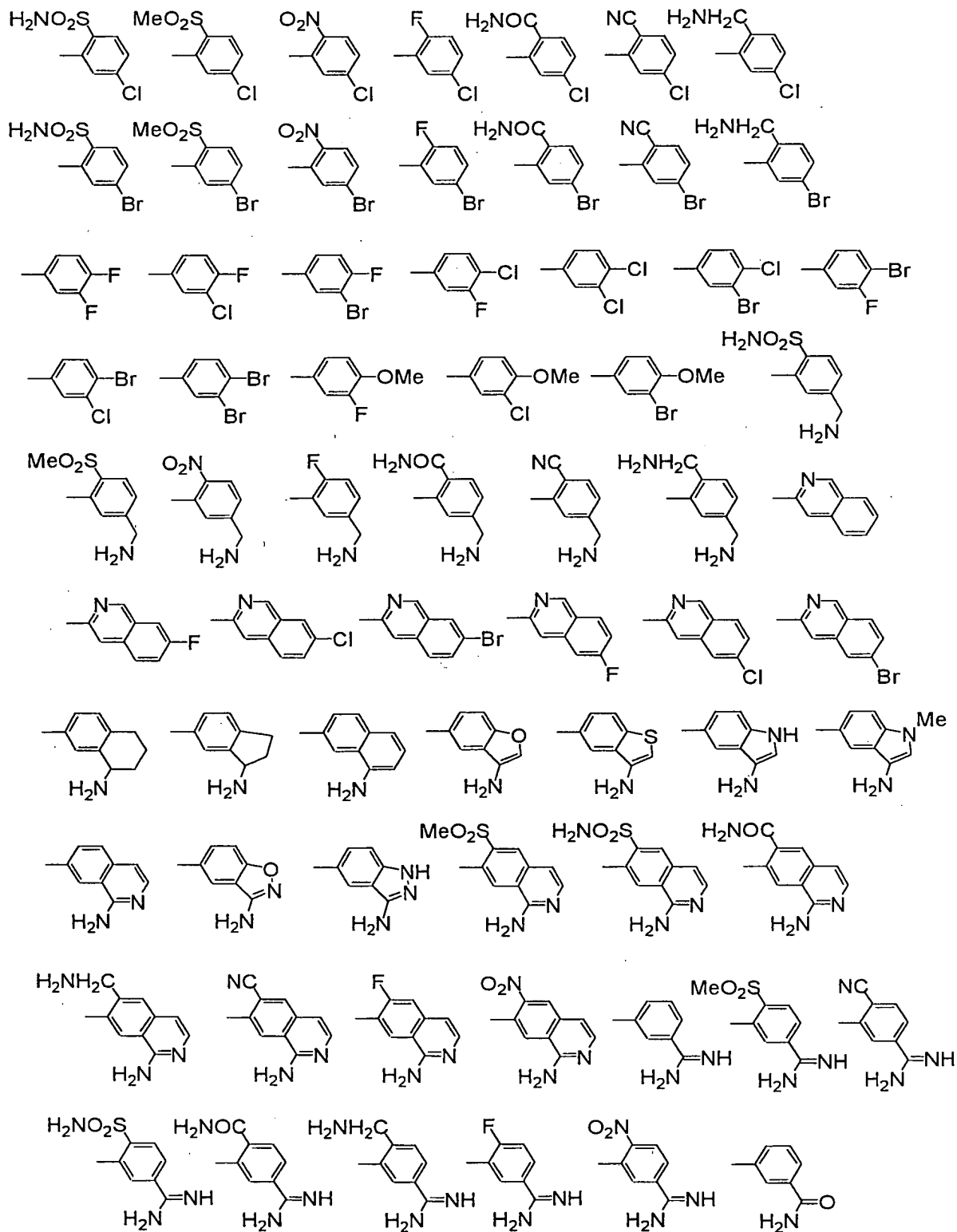
a direct link, -NH-, -O-, -S(=O)₂-, -S(=O)₂-NH, -NH-S(=O)₂-, -C(=O)-, -NH-C(=O)- and -C(=O)-NH-;

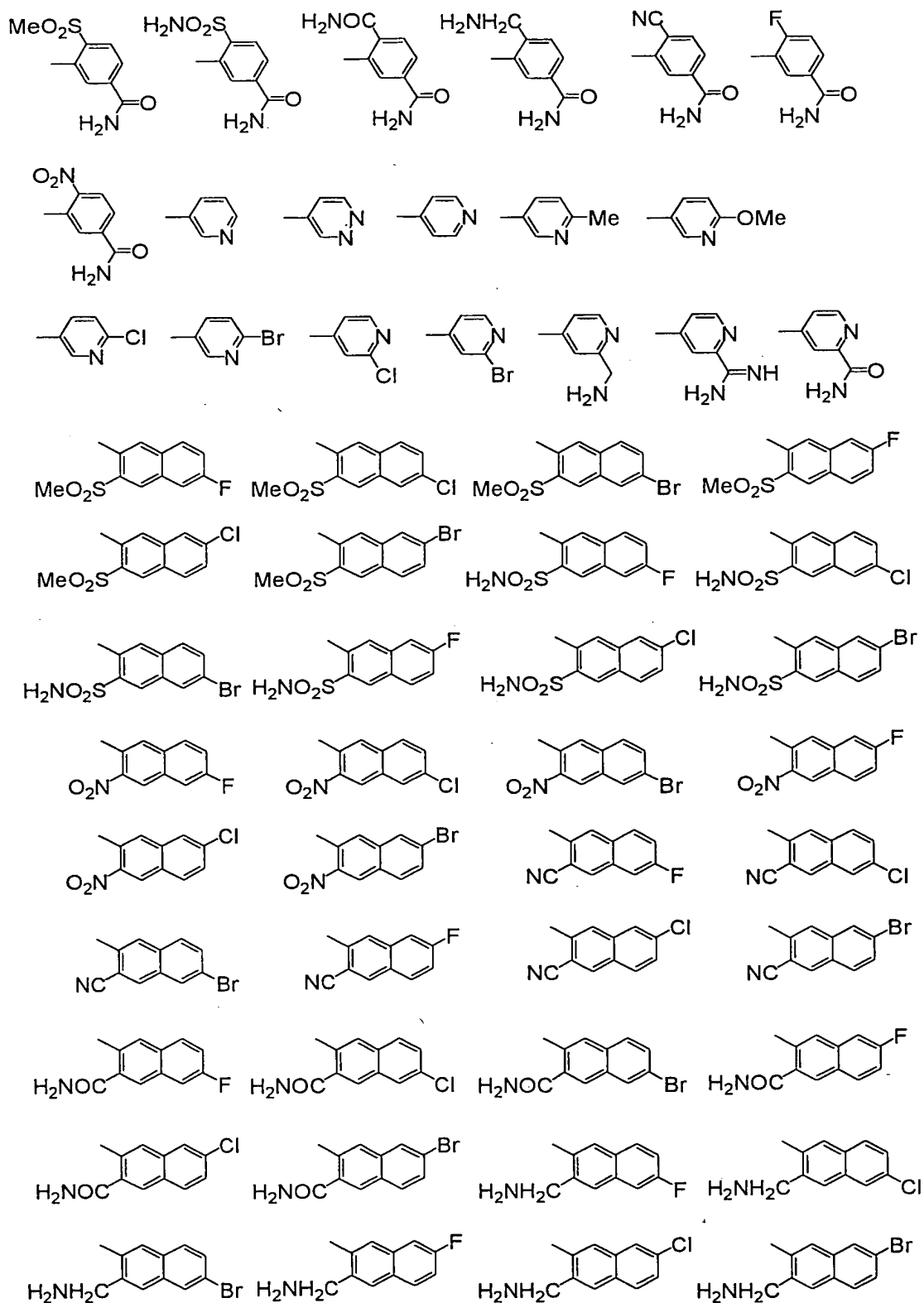
X is selected from the group consisting

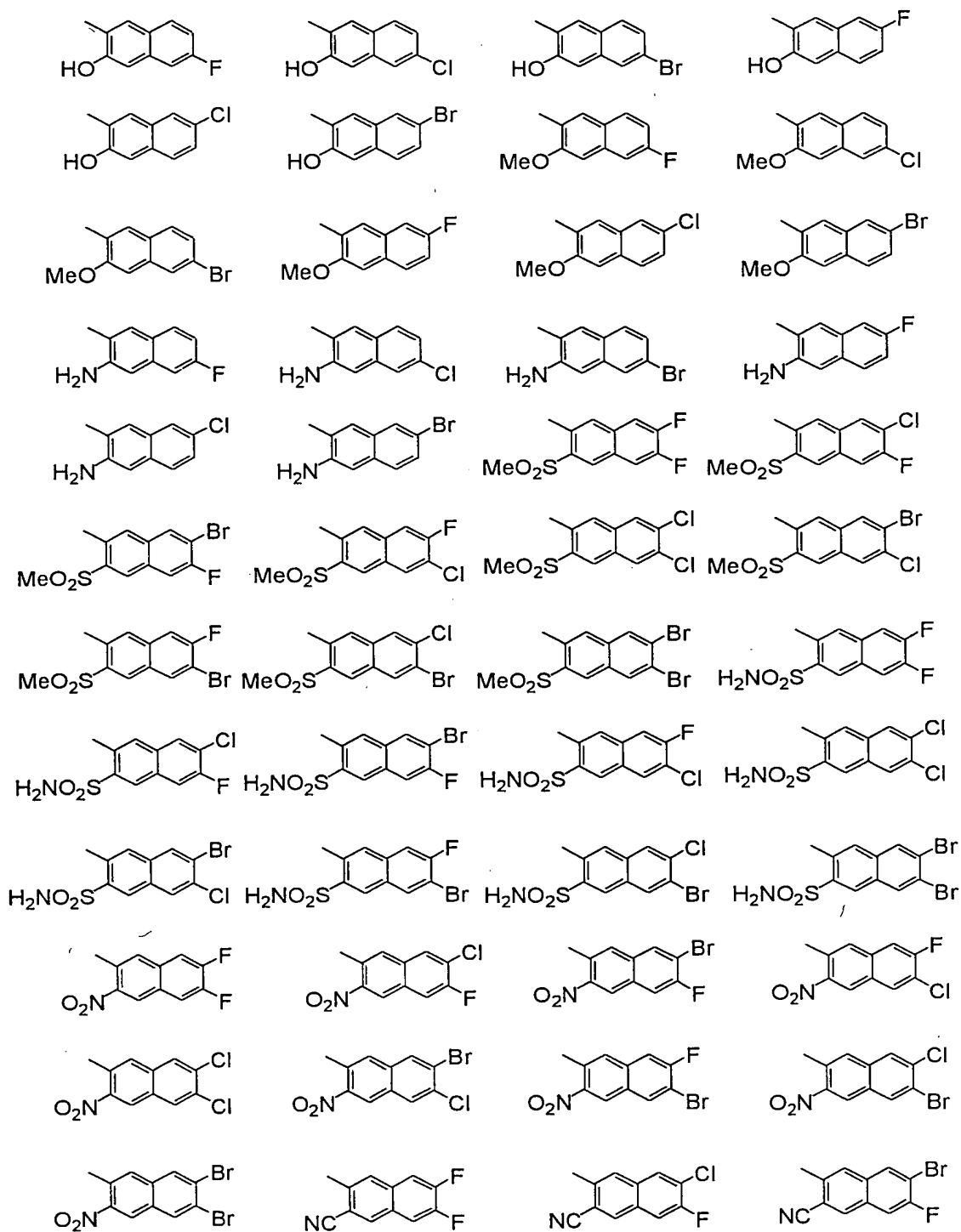


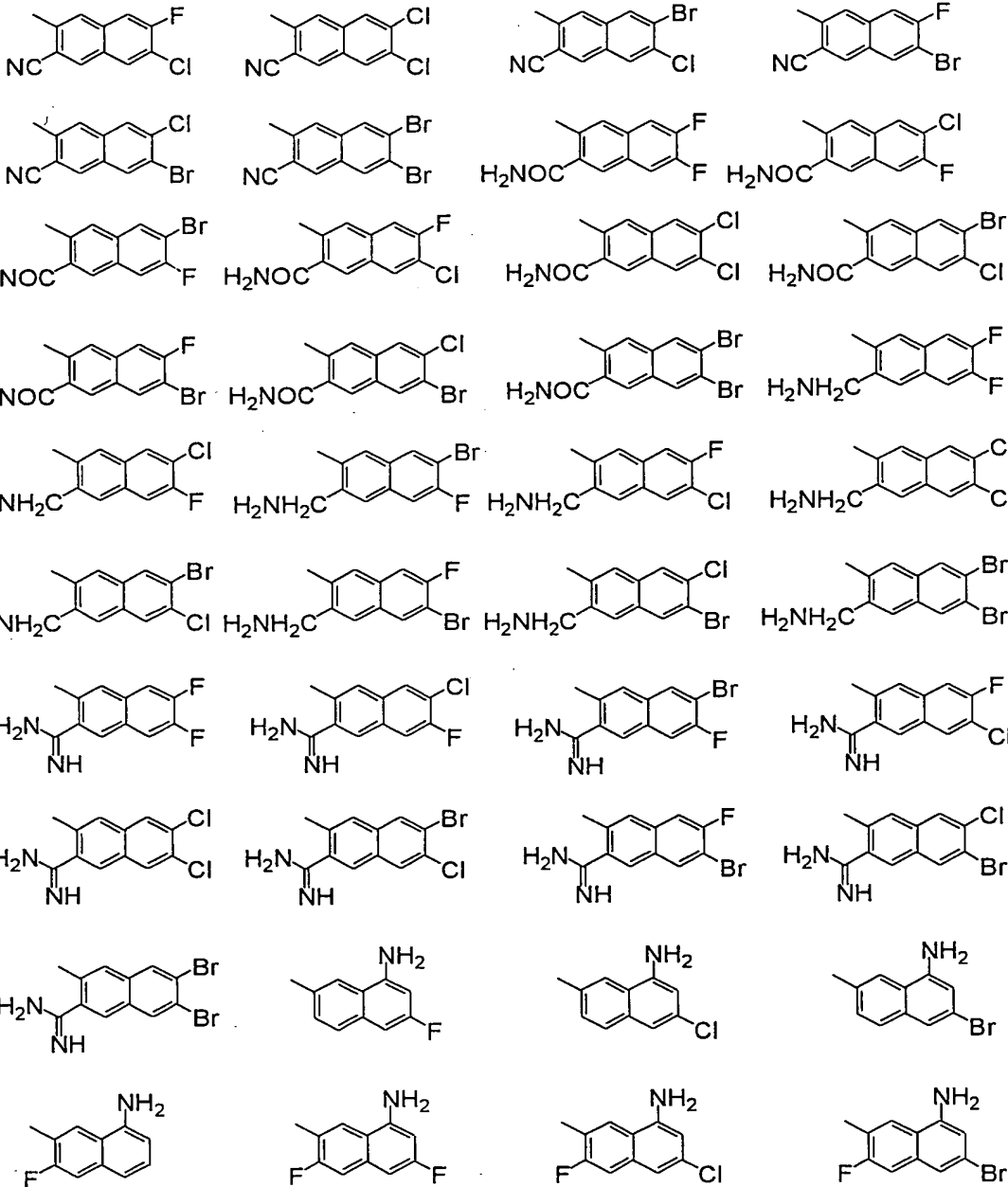
of:

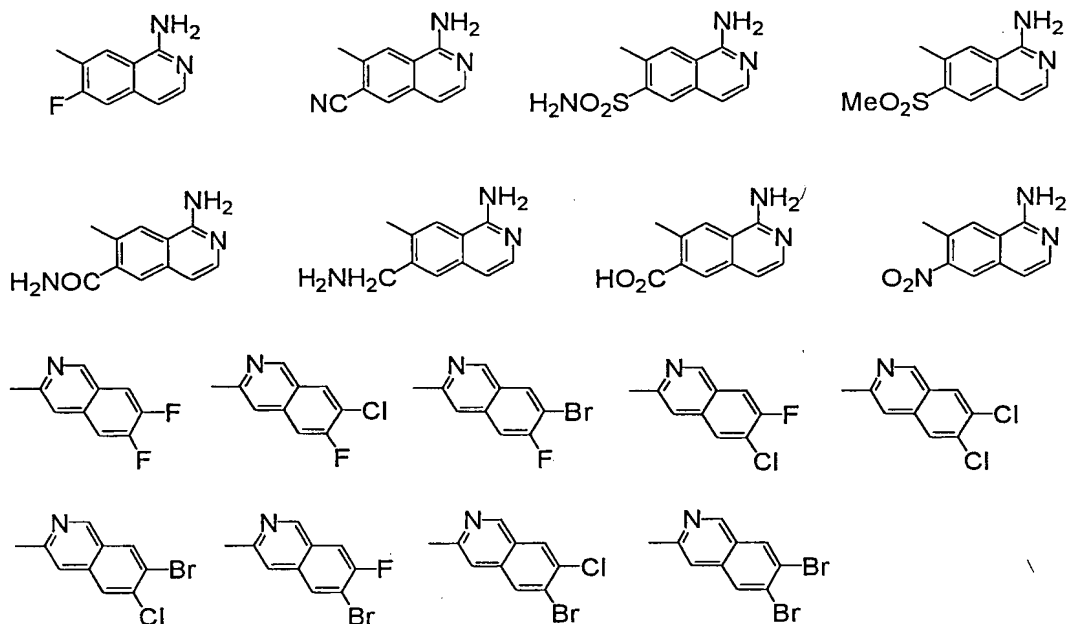












and all pharmaceutically acceptable isomers, salts, hydrates, solvates and prodrug derivatives, thereof.

5 4. A compound of claim 1, wherein:

A is selected from the group consisting of:

phenyl, which is substituted with 0-2 R¹ groups;

naphthyl, which is substituted with 1 R¹ group; and

a 5-7 membered aromatic or non-aromatic monocyclic heterocyclic ring,

10 wherein the heterocyclic ring contains 1-2 heteroatoms selected from N, O and S and is substituted with 0-1 R¹ groups;

R¹ is selected from the group consisting of:

$-S(=O)_2-N(-R^2, -R^3)$, $-S(=O)_2-R^2$, $-CH_2N(-R^2, -R^3)$, $-CN$ and halo.

R^2 and R^3 are independently selected from the group consisting of:

$-H$ and $-C_{1-4}alkyl$;

Q is selected from the group consisting of:

5 a direct link, $-C(=NH)$, $-C(=NMe)-$, $-C(=O)-$, $-CH_2-$, $-NH-$, and $-N(-CH_3)-$;

D is selected from the group consisting of:

a direct link;

phenyl, which is substituted with 0-2 R^{1a} groups; and

10 a 5-6 membered aromatic heterocyclic ring, wherein the heterocyclic ring contains 1-2 heteroatoms selected from N and S and is substituted with 0-1 R^{1a} groups;

R^{1a} is selected from the group consisting of:

$-H$ and halo;

E is selected from the group consisting of:

15 a direct link, $-NH-C(=O)-$ and $-C(=O)-NH-$;

G is selected from the group consisting of:

Pyrazole, pyrazoline, triazole and tetrazole, which are substituted with 0-2 R^{1b} groups; and

20 a 5-membered aromatic heterocyclic ring, wherein the heterocyclic ring contains 2 heteroatoms selected from N, O and S and is substituted with 0-1 R^{1b} groups and;

R^{1b} is selected from the group consisting of:

-Me, -Et, -CF₃, -C(=O)-NH₂, -NH₂, -NH-C(=O)-Me, -NH-S(=O)₂-Me, -SMe,
-S(=O)₂-Me and halo;

alternatively, when two R^{1b} groups may be present on adjacent ring atoms of
5 G and combine to form a benzene ring;

in a second alternative, one of the R^{1b} groups of G can cyclize with the NH
group of E to form a 5-6 membered non-aromatic heterocyclic ring containing
1-2 nitrogen atoms and which is substituted with 0-2 C=O groups;

J is selected from the group consisting of:

10 a direct link, -NH-C(=O)- and -C(=O)-NH-;

X is selected from the group consisting of:

phenyl, which is substituted with 1-3 R^{1c} groups;

naphthyl, which is substituted with 0-3 R^{1c} groups;

pyridinyl, which is substituted with 1-3 R^{1c} groups; and

15 a 9-10 membered fused bicyclic aromatic ring, wherein the aromatic ring
contains 0-2 heteroatoms selected from N and O and is substituted with 0-3
R^{1c} groups;

R^{1c} is independently selected from the group consisting of:

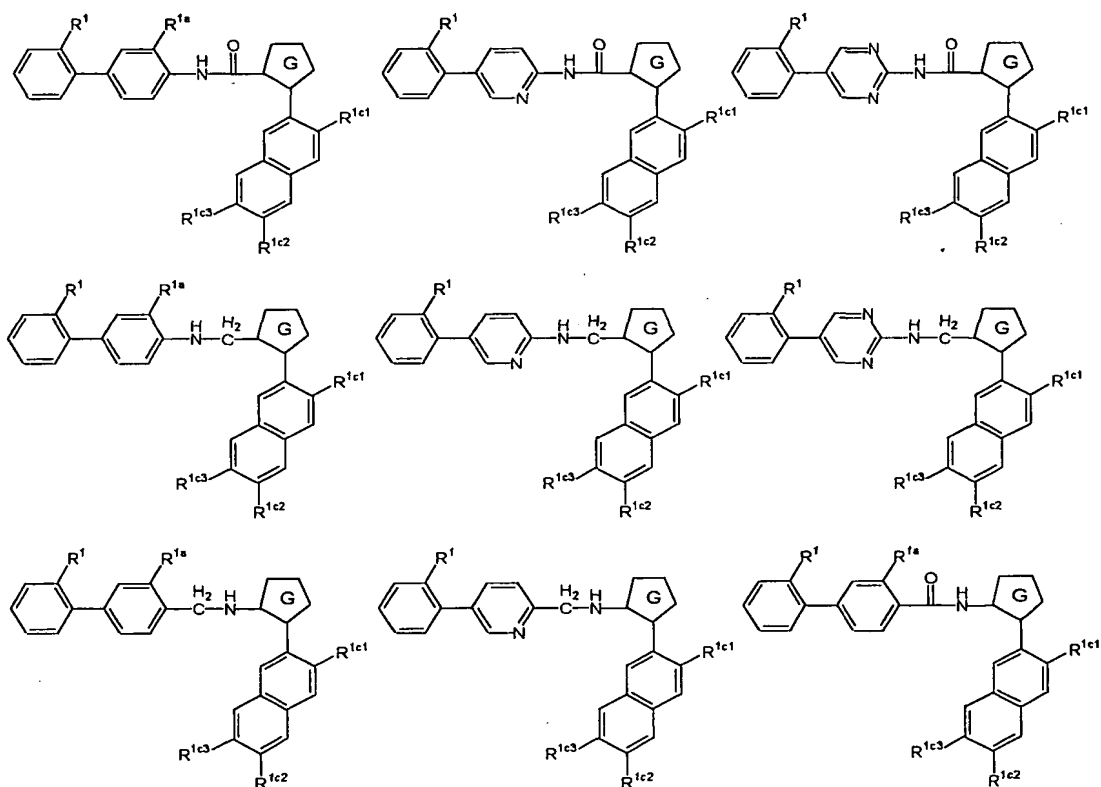
20 -H, halo, -Me, -CF₃, -OH, -OMe, -NH₂, -CN, -NO₂, -CH₂-R^{2c}, -C(=O)-N(-R^{2c},
-R^{3c}), -S(=O)₂-R^{2c}, -S(=O)₂-N(-R^{2c}, -R^{3c}), -S(=O)₂-OH, -C(=NH)-N(-R^{2c}, -
R^{3c}), 2-imidazolin-2-yl and 1-methyl-2-imidazolin-2-yl;

R^{2c} and R^{3c} are independently selected from the group consisting of:

-H, -OH, -NH₂ and -C₁₋₄alkyl;

and all pharmaceutically acceptable isomers, salts, hydrates, solvates and prodrug derivatives, thereof.

5. The following compounds are claimed by the present invention:



wherein:

R^1 is selected from the group consisting of:

-SO₂NH₂, -SO₂Me, -CH₂NH₂ and -CH₂NMe₂;

10 R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, -NH₂, -OH, -SO₂Me, -SO₂Et, -SO₂NH₂, -NO₂, -CH₂NH₂, -CN, -CONH₂, -CH₂OH;

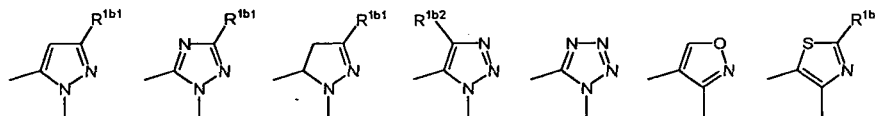
5 R^{1c2} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl and -Br;

G is selected from the group consisting of:



10 wherein:

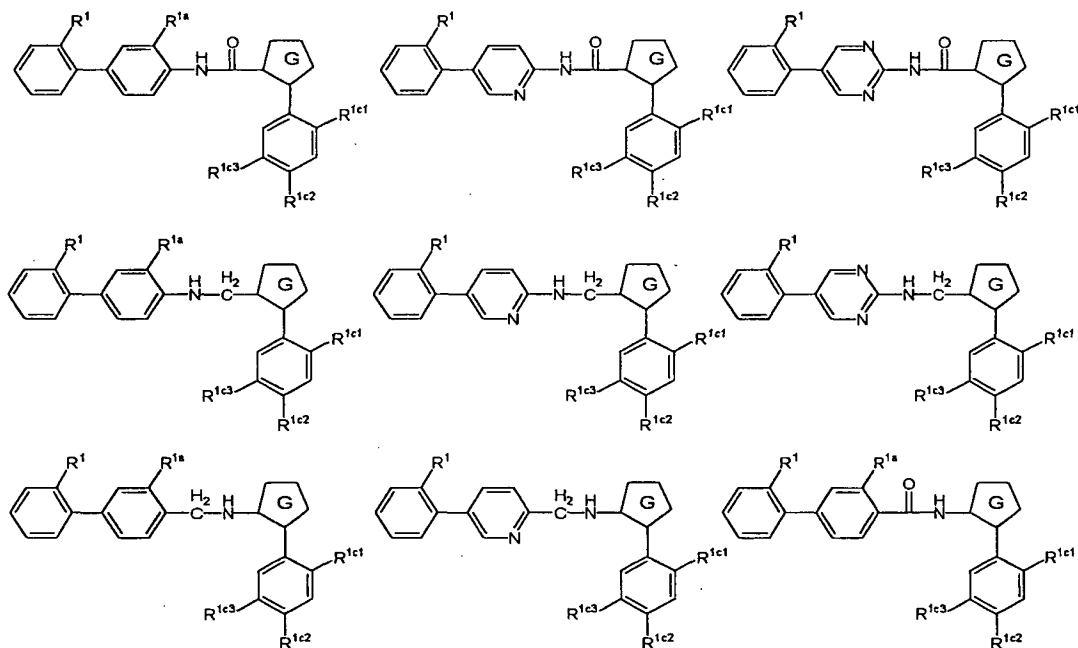
R^{1b1} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b2} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b3} is selected from the group consisting of -Cl, -NH₂, -CH₃ and -CF₃.

15

6. The following compounds are claimed by the present invention:



wherein :

R^1 is selected from the group consisting of:

5 $-\text{SO}_2\text{NH}_2$, $-\text{SO}_2\text{Me}$, $-\text{CH}_2\text{NH}_2$ and $-\text{CH}_2\text{NMe}_2$;

R^{1a} is selected from the group consisting of:

$-\text{H}$, $-\text{F}$, $-\text{Cl}$ and $-\text{Br}$;

R^{1c1} is selected from the group consisting of:

10 $-\text{H}$, $-\text{F}$, $-\text{Cl}$, $-\text{Br}$, $-\text{NH}_2$, $-\text{OH}$, $-\text{SO}_2\text{Me}$, $-\text{SO}_2\text{Et}$, $-\text{SO}_2\text{NH}_2$, $-\text{NO}_2$, $-\text{CH}_2\text{NH}_2$, $-\text{CN}$, $-\text{CONH}_2$, $-\text{CH}_2\text{OH}$;

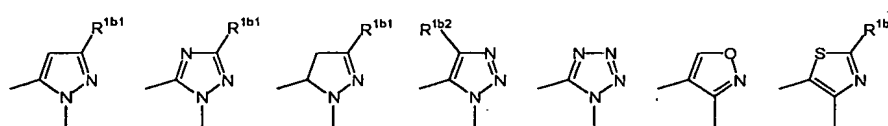
R^{1c2} is selected from the group consisting of:

-H, -F, -Cl, -Br and -OMe;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl, -Br, -OCH₃, -NH₂, -CH₂NH₂, -CONH₂, -CONHMe, -CONMe₂

G is selected from the group consisting of:



5 wherein:

R^{1b1} is selected from the group consisting of -H, -CH₃ and -CF₃;

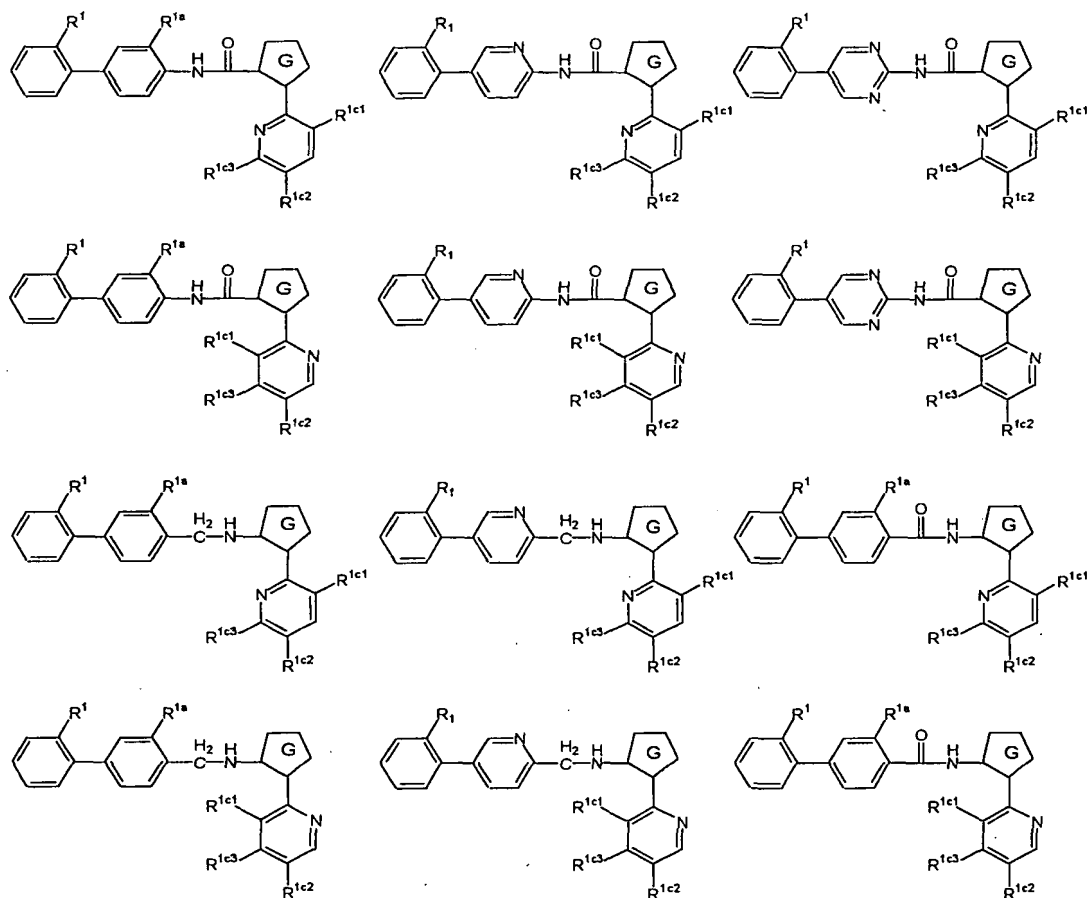
R^{1b2} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b3} is selected from the group consisting of -Cl, -NH₂, -CH₃ and -CF₃.

10

15

7. The following compounds are claimed by the present invention:



wherein:

R^1 is selected from the group consisting of:

- 5 $-\text{SO}_2\text{NH}_2$, $-\text{SO}_2\text{CH}_3$, $-\text{CN}$, $-\text{CONH}_2$, $-\text{CONH}(\text{CH}_3)$, $-\text{CON}(\text{CH}_3)_2$, $-\text{CH}_2\text{NH}_2$, $-\text{CH}_2\text{NH}(\text{CH}_3)$, $-\text{CH}_2\text{N}(\text{CH}_3)_2$;

R^{1a} is selected from the group consisting of:

$-\text{H}$, $-\text{F}$, $-\text{Cl}$ and $-\text{Br}$;

R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, -CN, -CH₂NH₂, -CH₂OH, -CONH₂, -C(=NH)NH₂, -CO₂H, -CO₂Me, -SO₂Me, -SO₂NH₂, -OH, -NH₂, and -NO₂;

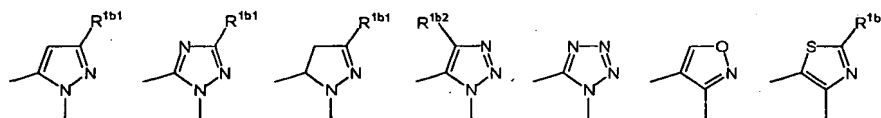
R^{1c2} is selected from the group consisting of:

5 -H, -F, -Cl, -Br, and -OCH₃;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl, -Br, -OCH₃, -NH₂, -CH₂NH₂, -CONH₂, -CONHMe, -CONMe₂;

G is selected from the group consisting of:



wherein:

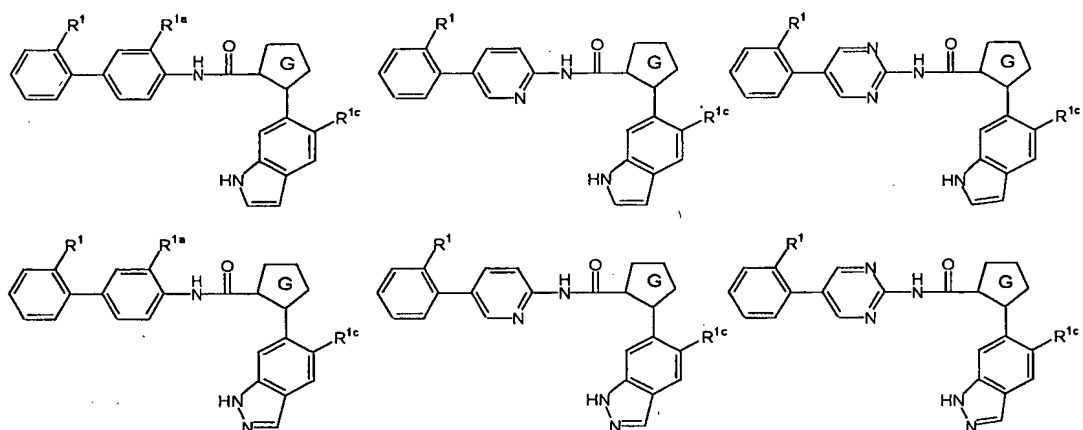
10 R^{1b1} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b2} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b3} is selected from the group consisting of -Cl, -NH₂, -CH₃ and -CF₃.

15

8. The following compounds are claimed by the present invention:



wherein:

R^1 is selected from the group consisting of:

5 $-\text{SO}_2\text{NH}_2$, $-\text{SO}_2\text{Me}$, $-\text{CH}_2\text{NH}_2$ and $-\text{CH}_2\text{NMe}_2$;

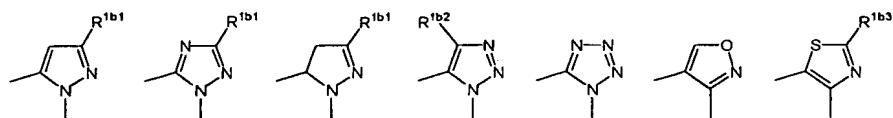
R^{1a} is selected from the group consisting of:

$-\text{H}$, $-\text{F}$, $-\text{Cl}$ and $-\text{Br}$;

R^{1c} is selected from the group consisting of:

10 $-\text{H}$, $-\text{F}$, $-\text{Cl}$, $-\text{Br}$, $-\text{NH}_2$, $-\text{OH}$, $-\text{SO}_2\text{Me}$, $-\text{SO}_2\text{Et}$, $-\text{SO}_2\text{NH}_2$, $-\text{NO}_2$, $-\text{CH}_2\text{NH}_2$, $-\text{CN}$, $-\text{CONH}_2$, $-\text{CH}_2\text{OH}$;

G is selected from the group consisting of:



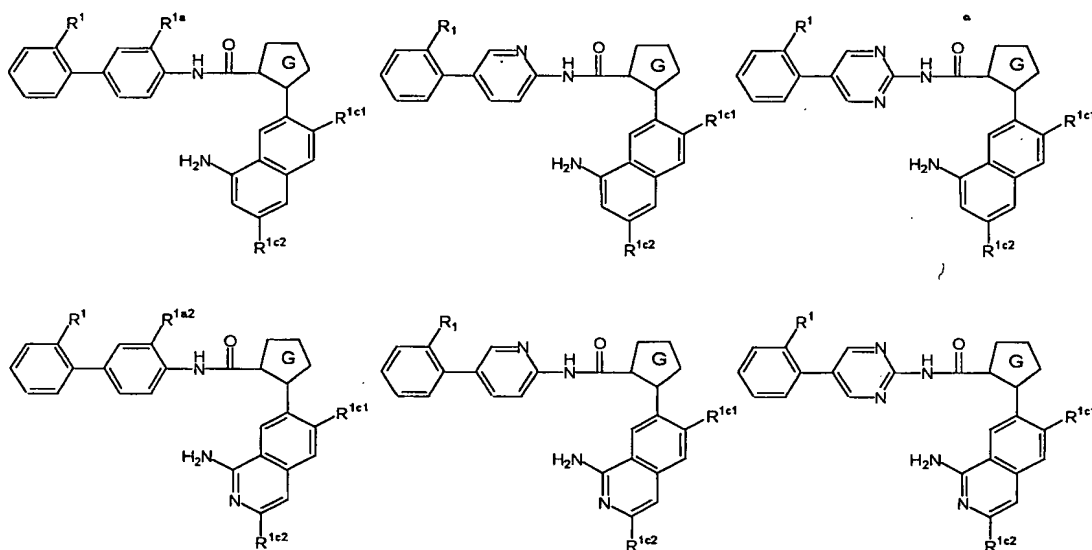
wherein:

R^{1b1} is selected from the group consisting of $-H$, $-CH_3$ and $-CF_3$;

R^{1b2} is selected from the group consisting of $-H$, $-CH_3$ and $-CF_3$;

R^{1b3} is selected from the group consisting of $-Cl$, $-NH_2$, $-CH_3$ and $-CF_3$.

9. The following compounds are claimed by the present invention:



5 wherein:

R^1 is selected from the group consisting of:

$-SO_2NH_2$, $-SO_2Me$, $-CH_2NH_2$ and $-CH_2NMe_2$;

R^{1a} is selected from the group consisting of:

$-H$, $-F$, $-Cl$ and $-Br$;

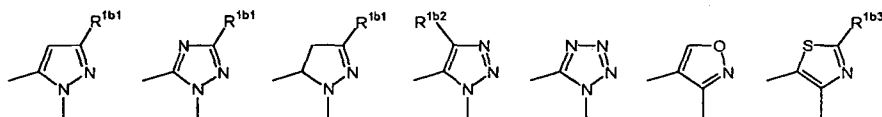
10 R^{1c1} is selected from the group consisting of:

$-H$, $-F$, $-Cl$, $-Br$, $-NH_2$, $-OH$, $-SO_2Me$, $-SO_2Et$, $-SO_2NH_2$, $-NO_2$, $-CH_2NH_2$, $-CN$, $-CONH_2$, $-CH_2OH$;

R^{1c2} is selected from the group consisting of:

-H, -F, -Cl and -Br;

G is selected from the group consisting of:



5 wherein:

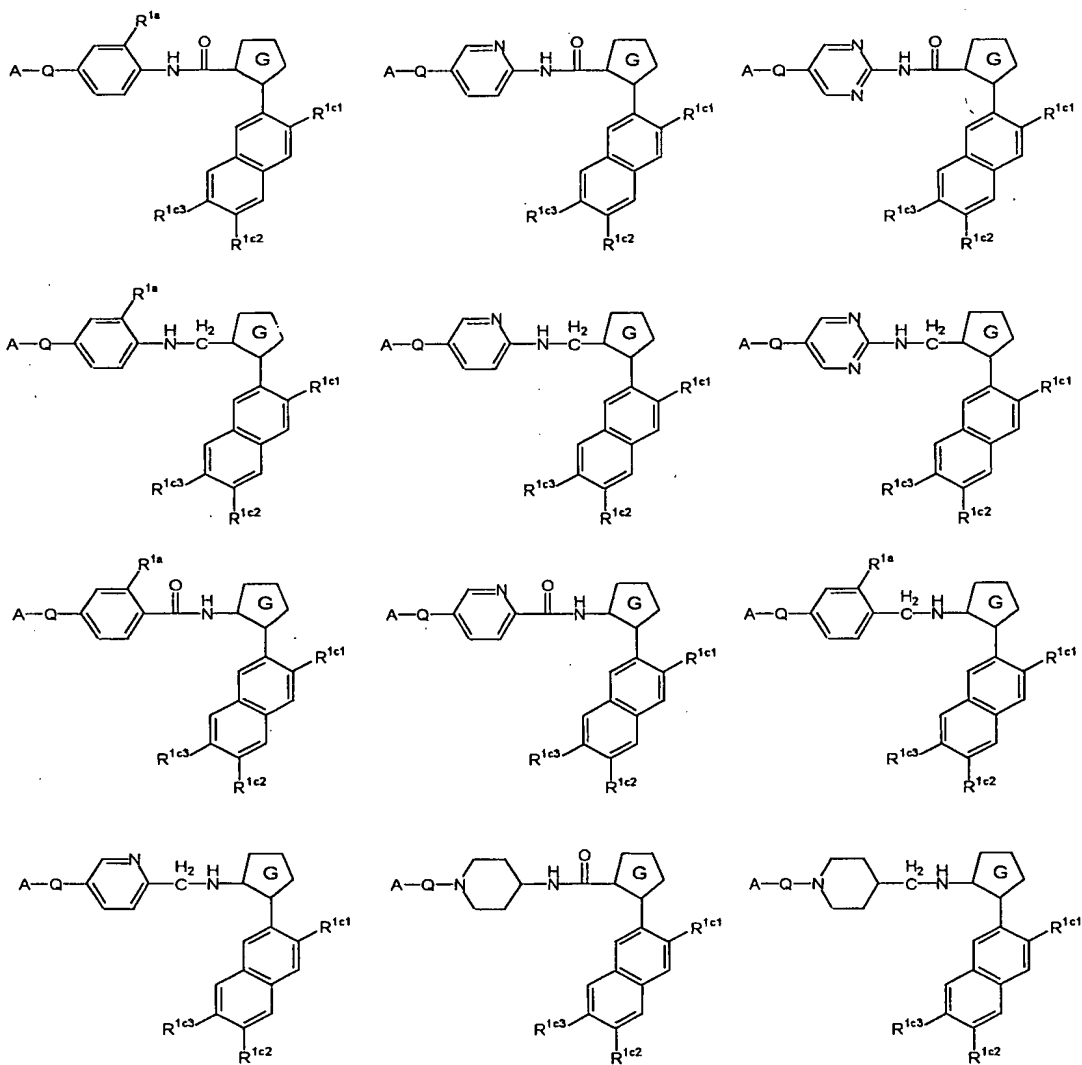
R^{1b1} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b2} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b3} is selected from the group consisting of -Cl, -NH₂, -CH₃ and -CF₃.

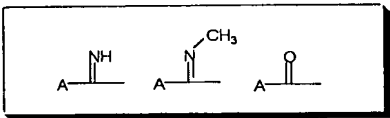
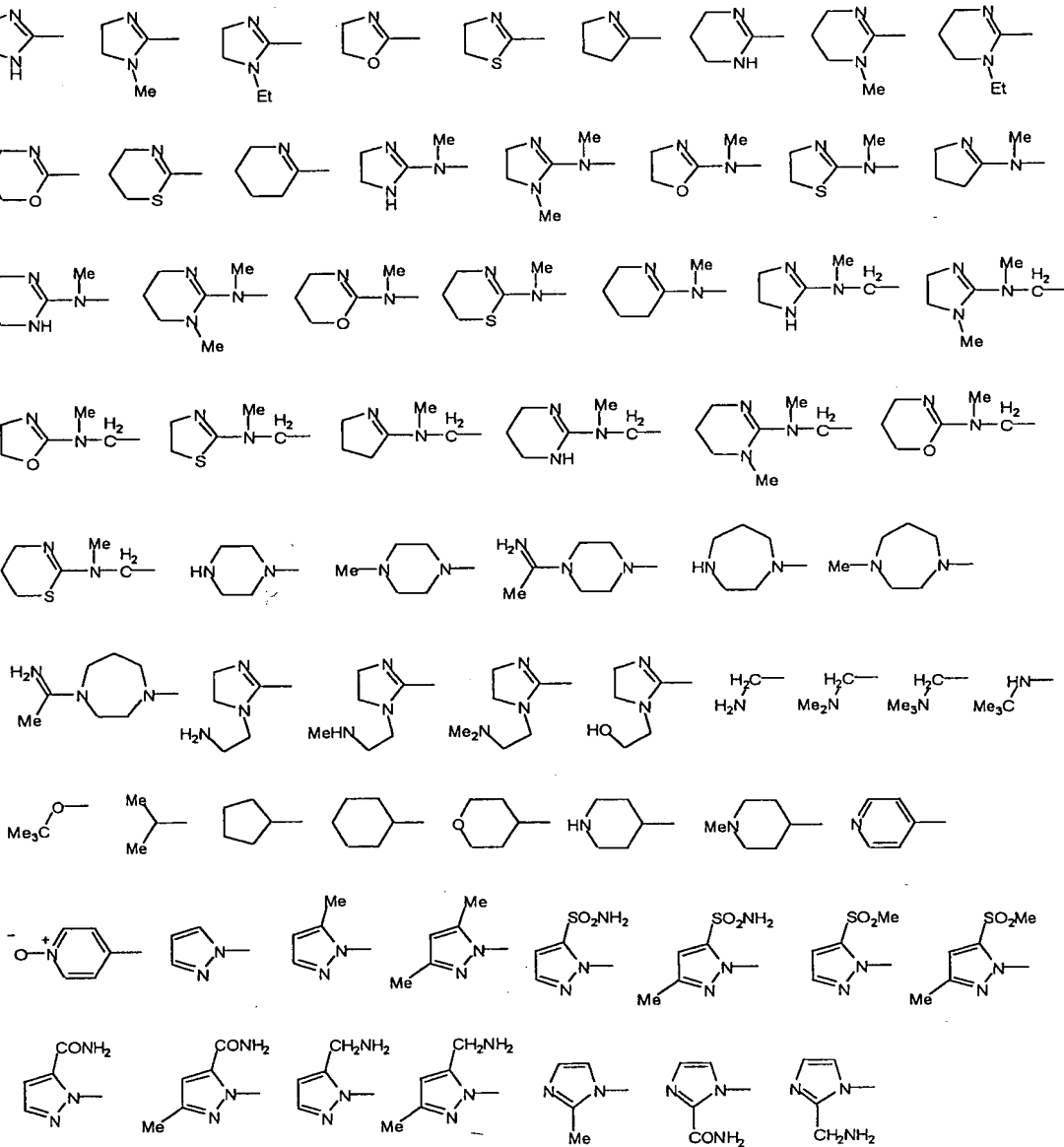
10

10. The following compounds are claimed by the present invention:



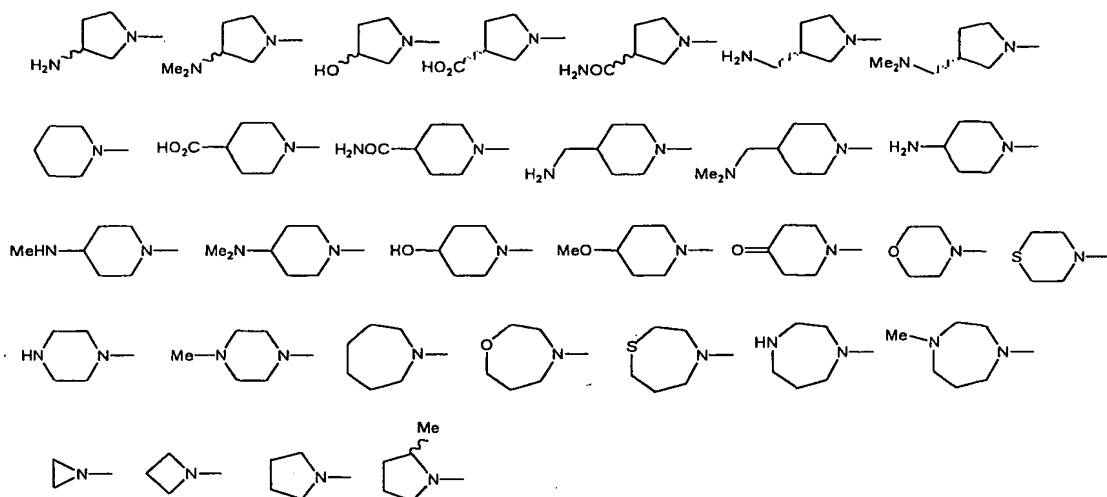
wherein:

$A-Q$ is selected from the group consisting of:



wherein:

A is selected from the group consisting of:



R^{1a} is selected from the group consisting of -H, -F, -Cl and -Br;

R^{lc1} is selected from the group consisting of:

-H, -F, -Cl, -Br, -NH₂, -OH, -SO₂Me, -SO₂Et, -SO₂NH₂, -NO₂, -CH₂NH₂, -CN, -CONH₂, -CH₂OH;

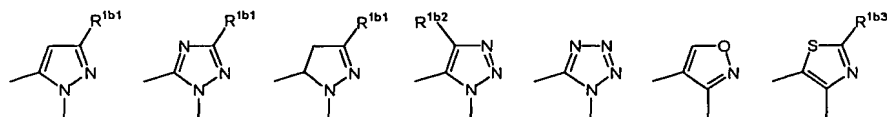
R^{lc2} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl and -Br;

10 G is selected from the group consisting of:



wherein:

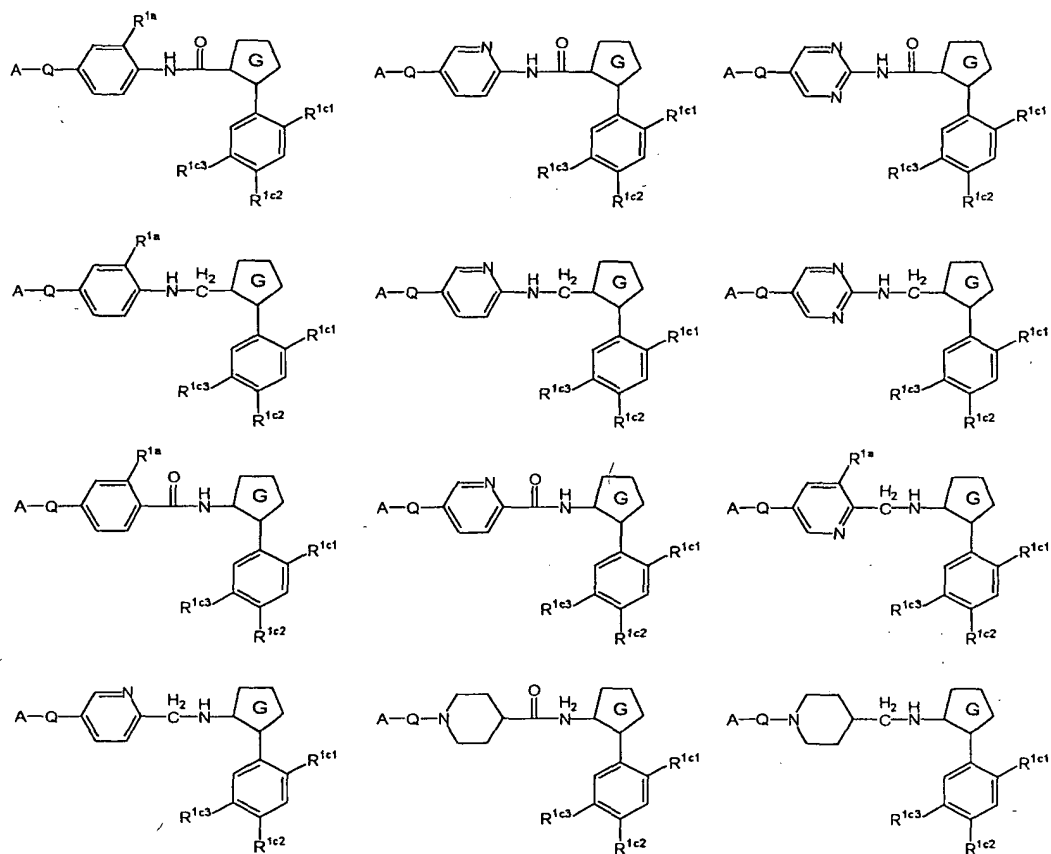
R^{1b1} is selected from the group consisting of $-H$, $-CH_3$ and $-CF_3$;

R^{1b2} is selected from the group consisting of $-H$, $-CH_3$ and $-CF_3$;

R^{1b3} is selected from the group consisting of $-Cl$, $-NH_2$, $-CH_3$ and $-CF_3$.

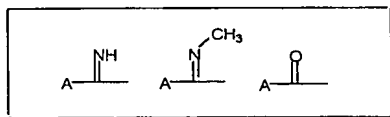
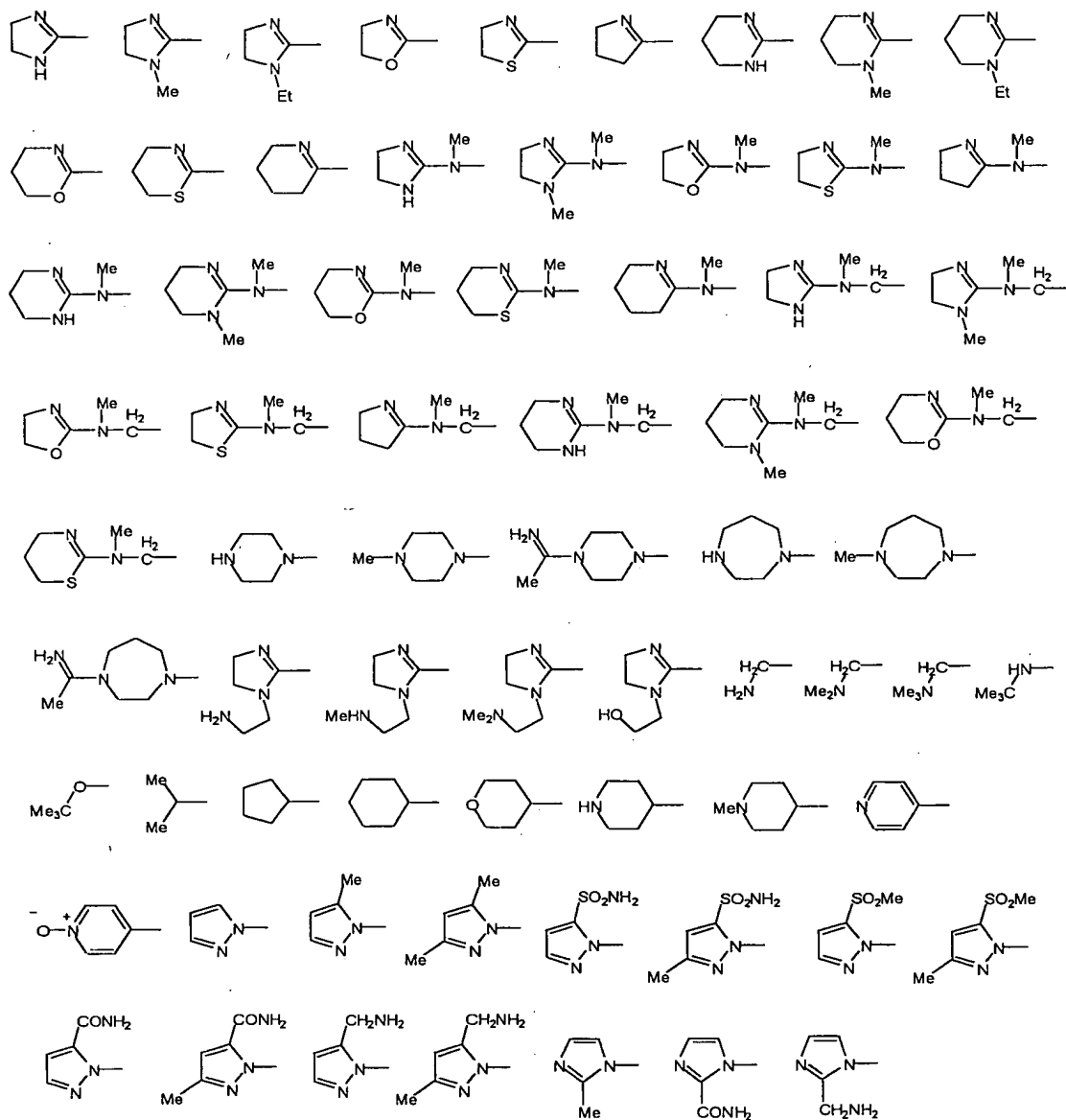
5

11. The following compounds are claimed by the present invention:



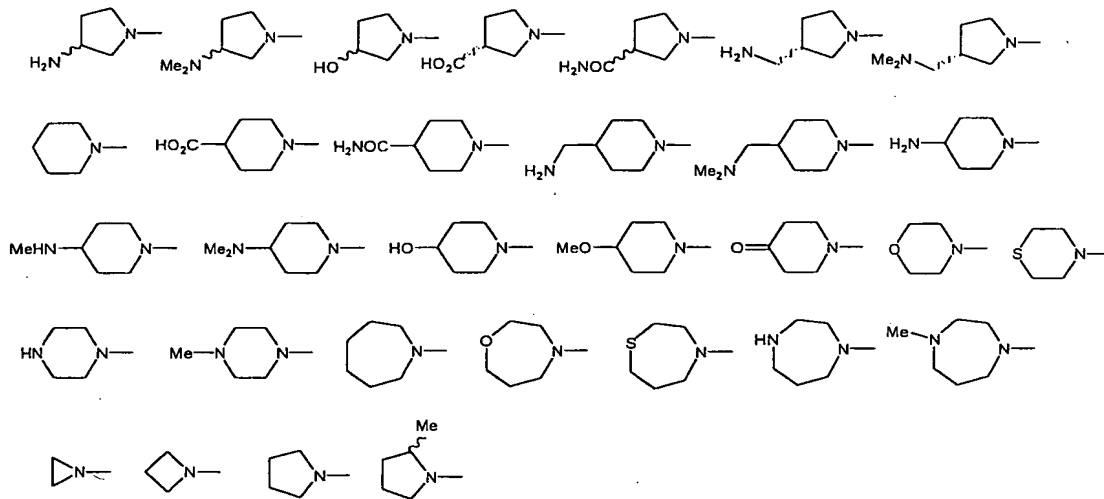
wherein:

A-Q is selected from the group consisting of:



wherein:

A is selected from the group consisting of:



5 R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1b} is selected from the group consisting of:

-CH₃, -CF₃, -CH₂CH₃, -SO₂Me, -CONH₂ and -NHSO₂Me;

R^{1c1} is selected from the group consisting of:

10 -H, -F, -Cl, -Br, -NH₂, -OH, -SO₂Me, -SO₂Et, -SO₂NH₂, -NO₂, -CH₂NH₂, -
CN, -CONH₂, -CH₂OH;

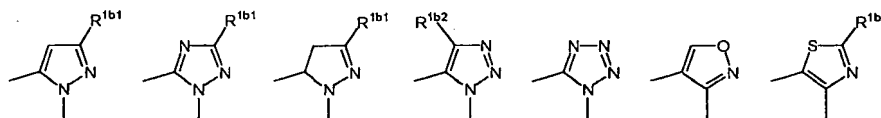
R^{lc2} is selected from the group consisting of:

-H, -F, -Cl, -Br and -OMe;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl, -Br, -OH, -OCH₃, -NH₂, -CONH₂, -CH₂NH₂;

G is selected from the group consisting of:



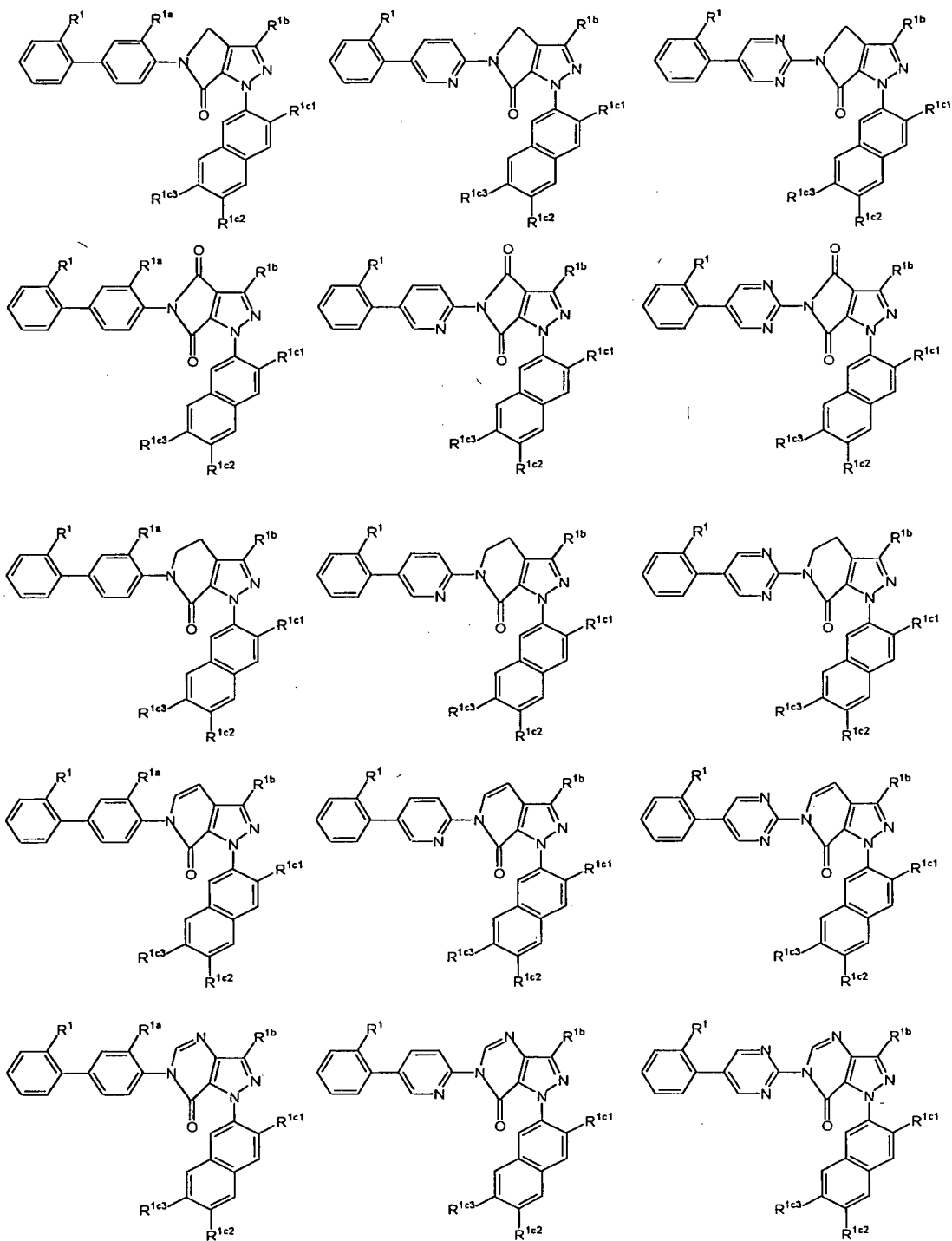
wherein:

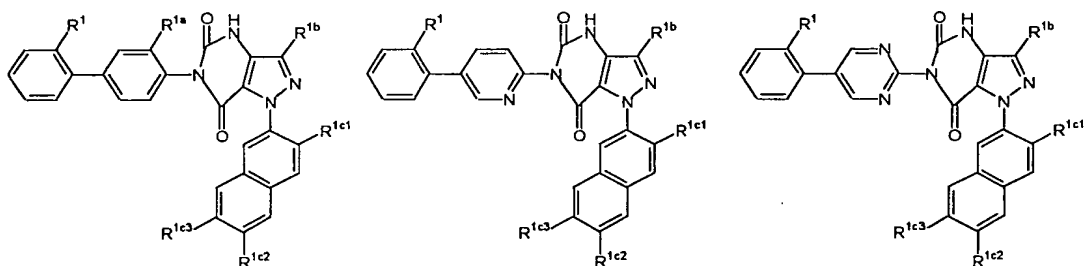
5 R^{1b1} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b2} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b3} is selected from the group consisting of -Cl, -NH₂, -CH₃ and -CF₃.

12. The following compounds are claimed by the present invention:





5 wherein:

R¹ is selected from the group consisting of:

-SO₂NH₂, -SO₂CH₃, -CN, -CONH₂, -CONH(CH₃), -CON(CH₃)₂, -CH₂NH₂, -CH₂NH(CH₃), -CH₂N(CH₃)₂;

R¹ᵃ is selected from the group consisting of:

10 -H, -F, -Cl and Br;

R¹ᵇ is selected from the group consisting of:

-CH₃ and -CF₃;

R¹ᶜ¹ is selected from the group consisting of:

15 -H, -F, -Cl, -Br, -CN, -CH₂NH₂, -CH₂OH, -CONH₂, -C(=NH)NH₂, -CO₂H, -CO₂Me, -SO₂Me, -SO₂NH₂, -OH, -NH₂, and -NO₂;

R¹ᶜ² is selected from the group consisting of:

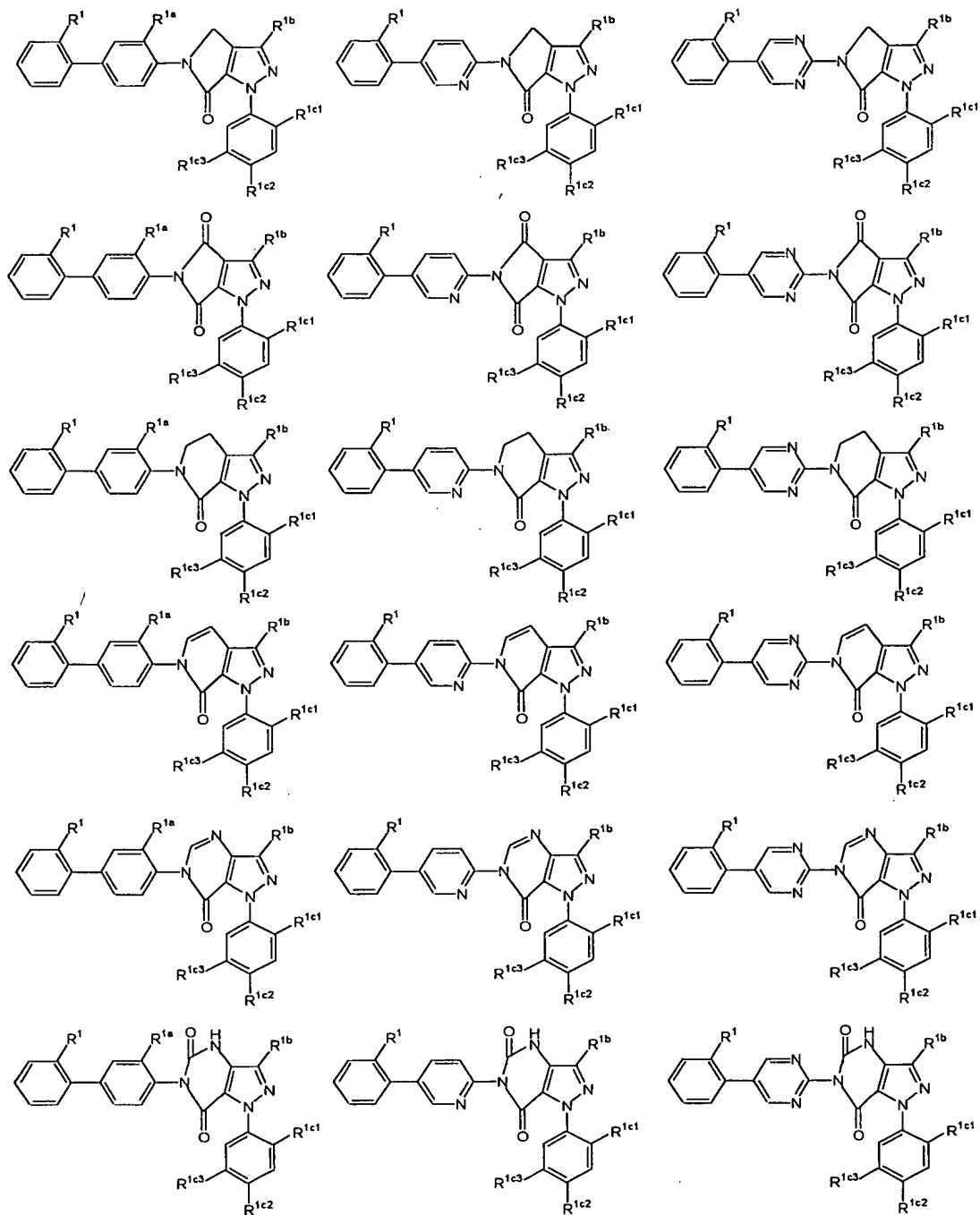
-H, -F, -Cl and -Br;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl and -Br.

13. The following compounds are claimed by the present invention:

5



wherein:

R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1b} is selected from the group consisting of:

-CH₃, -CF₃, -CH₂CH₃, -SO₂Me, -CONH₂ and -NHSO₂Me;

R^{1c1} is selected from the group consisting of:

5 -H, -F, -Cl, -Br, -NH₂, -OH, -SO₂Me, -SO₂Et, -SO₂NH₂, -NO₂, -CH₂NH₂, -
CN, -CONH₂, -CH₂OH;

R^{1c2} is selected from the group consisting of:

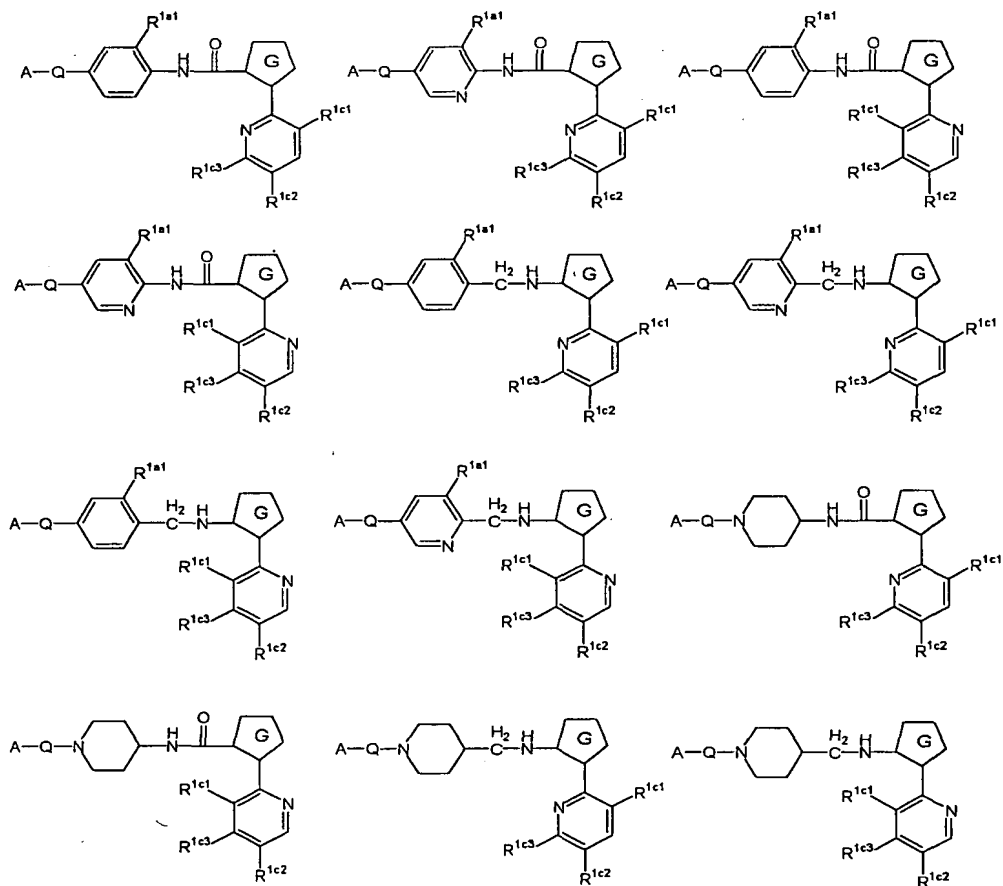
-H, -F, -Cl, -Br and -OCH₃;

R^{1c3} is selected from the group consisting of:

10 -H, -F, -Cl, -Br, -OCH₃, -NH₂, -CH₂NH₂, -CONH₂, -CONHMe, -CONMe₂.

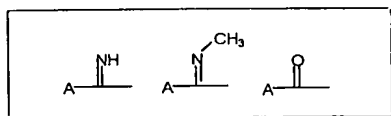
15

14. The following compounds are claimed by the present invention:



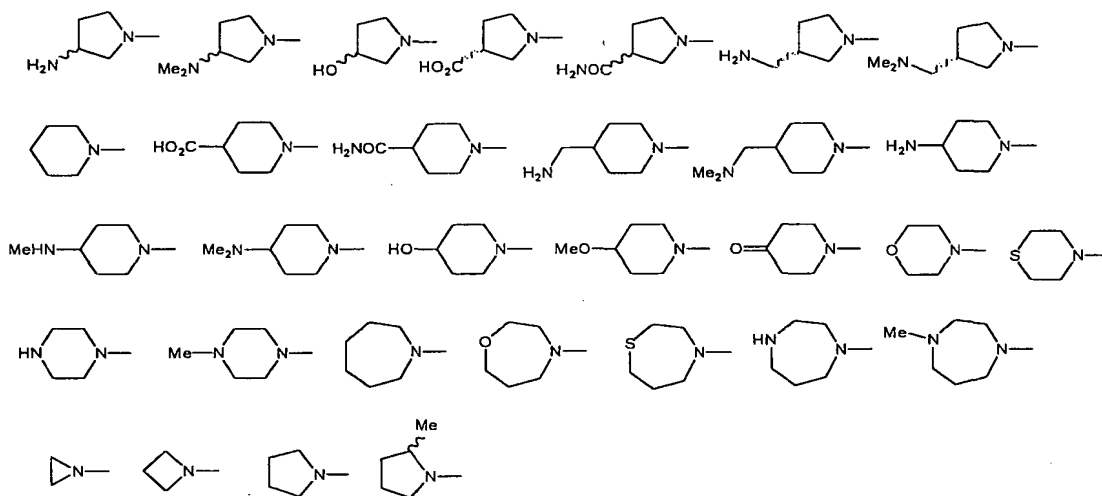
wherein:

A-Q is selected from the group consisting of:



wherein:

A is selected from the group consisting of:



5 R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, -CN, -CH₂NH₂, -CH₂OH, -CONH₂, -C(=NH)NH₂, -CO₂H, -CO₂Me, -SO₂Me, -SO₂NH₂, -OH, -NH₂, and -NO₂;

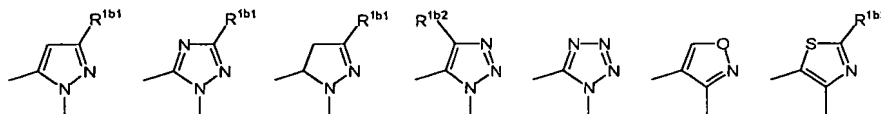
10 R^{1c2} is selected from the group consisting of:

-H, -F, -Cl, -Br, and -OCH₃;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl, -Br, -OCH₃, -NH₂, -CH₂NH₂, -CONH₂, -CONHMe, -CONMe₂;

G is selected from the group consisting of:



wherein:

5 R^{1b1} is selected from the group consisting of -H, -CH₃ and -CF₃;

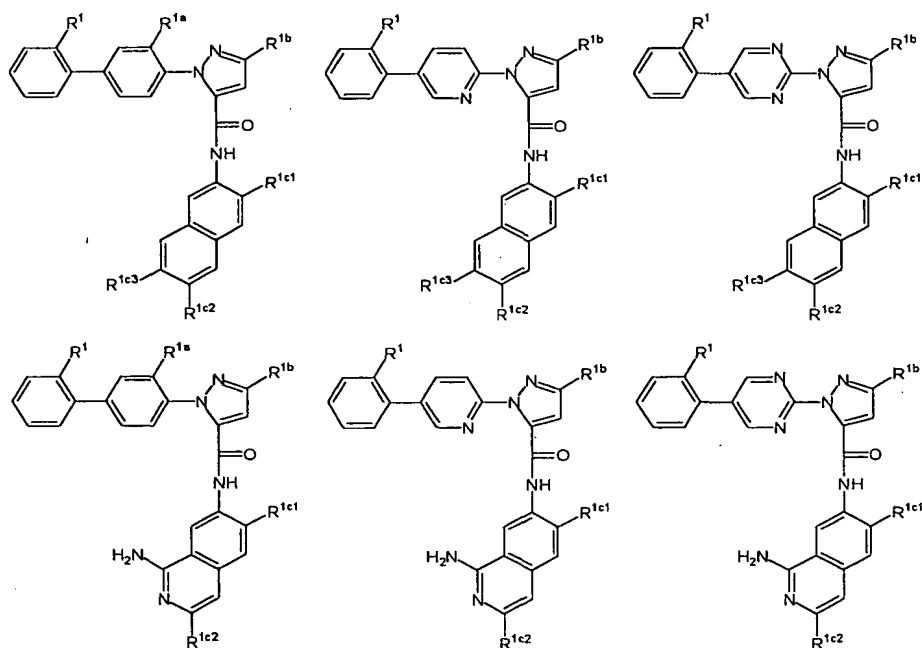
R^{1b2} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b3} is selected from the group consisting of -Cl, -NH₂, -CH₃ and -CF₃.

10

15

15. The following compounds are claimed by the present invention:



wherein:

R¹ is selected from the group consisting of:

- 5 -SO₂NH₂, -SO₂CH₃, -CN, -CONH₂, -CONH(CH₃), -CON(CH₃)₂, -CH₂NH₂, -CH₂NH(CH₃), -CH₂N(CH₃)₂;

R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1b} is selected from the group consisting of:

- 10 -H, -CH₃ and -CF₃;

R^{1c1} is selected from the group consisting of:

-H, -F, -Cl, -Br, -CN, -CH₂NH₂, -CH₂OH, -CONH₂, -C(=NH)NH₂, -CO₂H, -CO₂Me, -SO₂Me, -SO₂NH₂, -OH, -NH₂, and -NO₂;

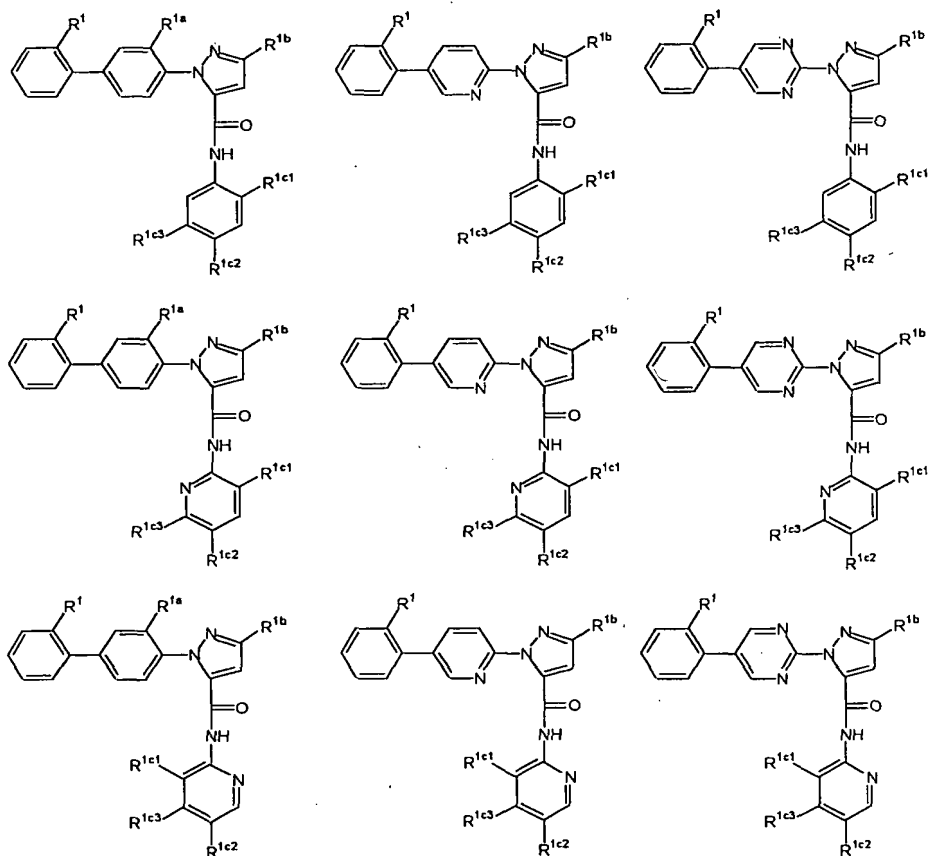
R^{1c2} is selected from the group consisting of:

-H, -F, -Cl and -Br;

5 R^{1c3} is selected from the group consisting of:

-H, -F, -Cl and -Br.

16. The following compounds are claimed by the present invention:



wherein:

R¹ is selected from the group consisting of:

-SO₂NH₂, -SO₂CH₃, -CN, -CONH₂, -CONH(CH₃), -CON(CH₃)₂, -CH₂NH₂, -
CH₂NH(CH₃), -CH₂N(CH₃)₂;

5 R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1b} is selected from the group consisting of:

-H, -CH₃ and -CF₃;

R^{1c1} is selected from the group consisting of:

10 -H, -F, -CN, -CH₂NH₂, -CONH₂, -SO₂Me, -SO₂NH₂ and -NO₂;

R^{1c2} is selected from the group consisting of:

-H, -F, -Cl, -Br and -OCH₃;

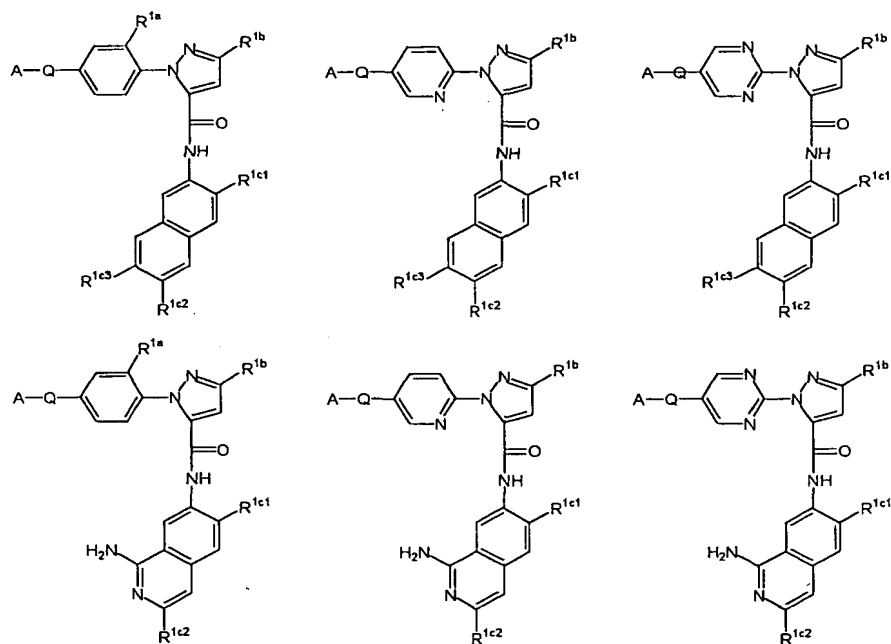
R^{1c3} is selected from the group consisting of:

-H, -F, -Cl, -Br, -OCH₃, -NH₂, -CH₂NH₂, -CONH₂, -CONHMe, -CONMe₂.

15

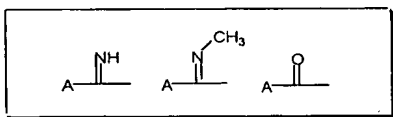
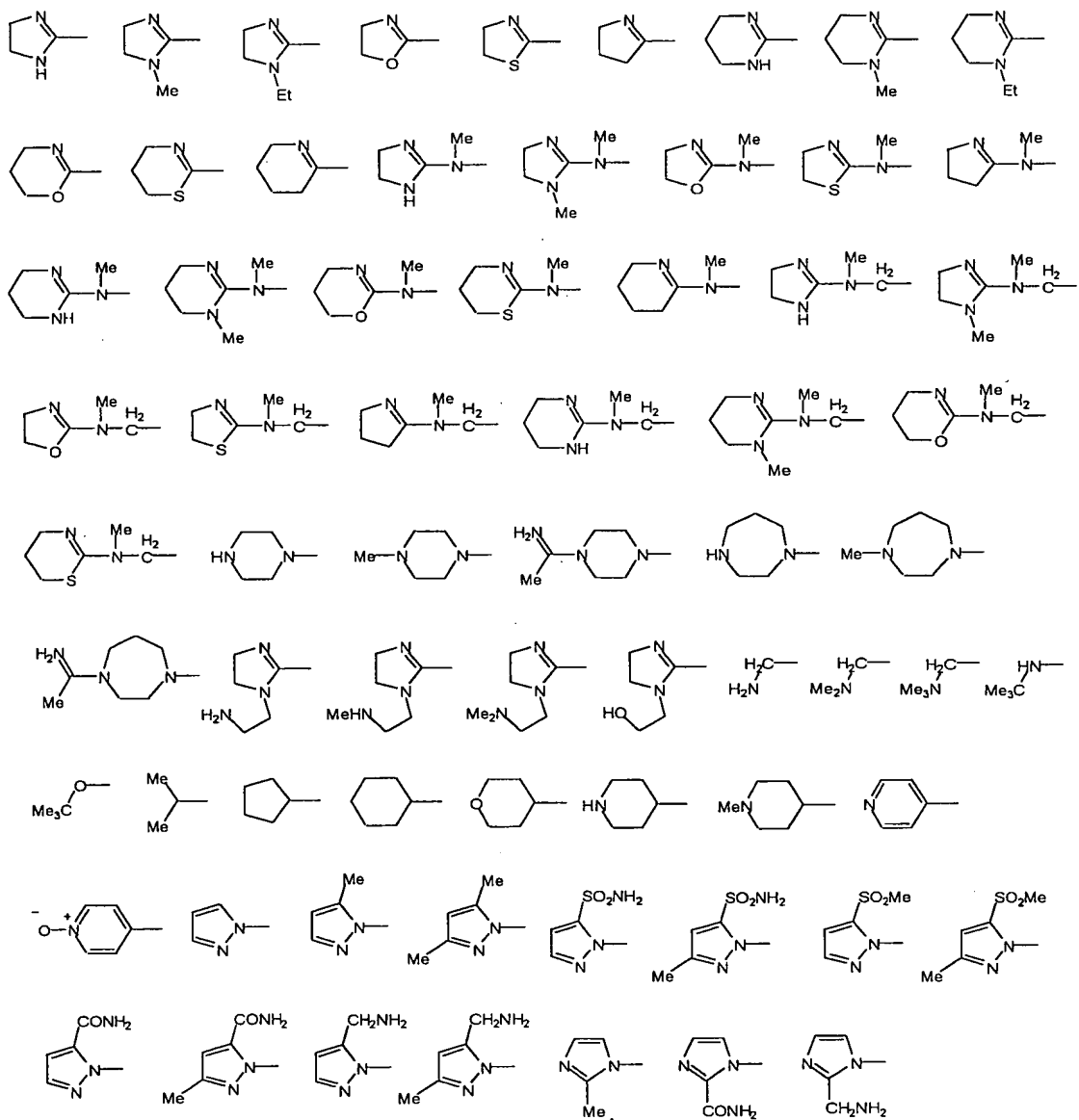
20

17. The following compounds are claimed by the present invention:



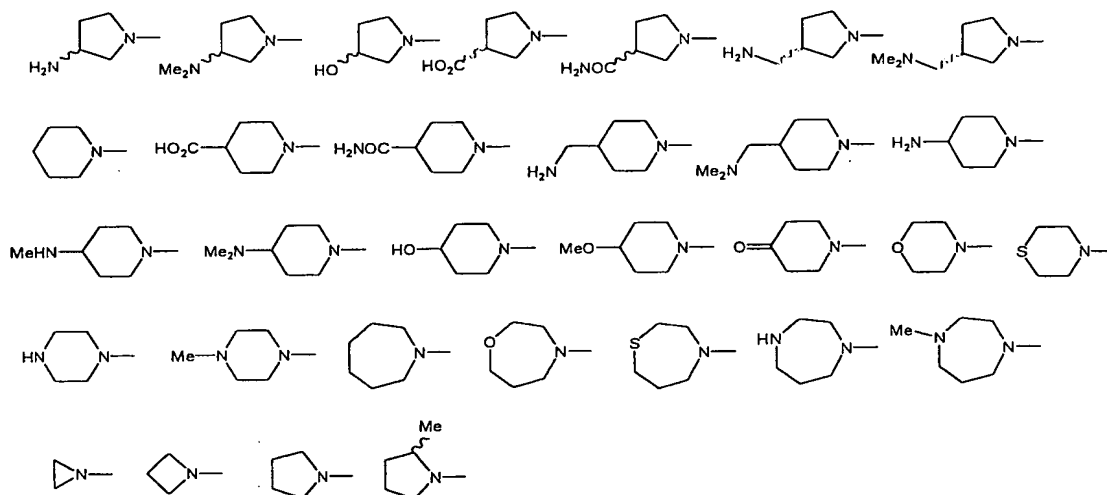
wherein:

5 A-Q is selected from the group consisting of:



wherein:

A is selected from the group consisting of:



R^{1a} is selected from the group consisting of:

5 -H, -F, -Cl and -Br;

R^{1b} is selected from the group consisting of:

-H, -CH₃ and -CF₃;

R^{1c1} is selected from the group consisting of:

10 -H, -F, -Cl, -Br, -CN, -CH₂NH₂, -CH₂OH, -CONH₂, -C(=NH)NH₂, -CO₂H, -
CO₂Me, -SO₂Me, -SO₂NH₂, -OH, -NH₂, and -NO₂;

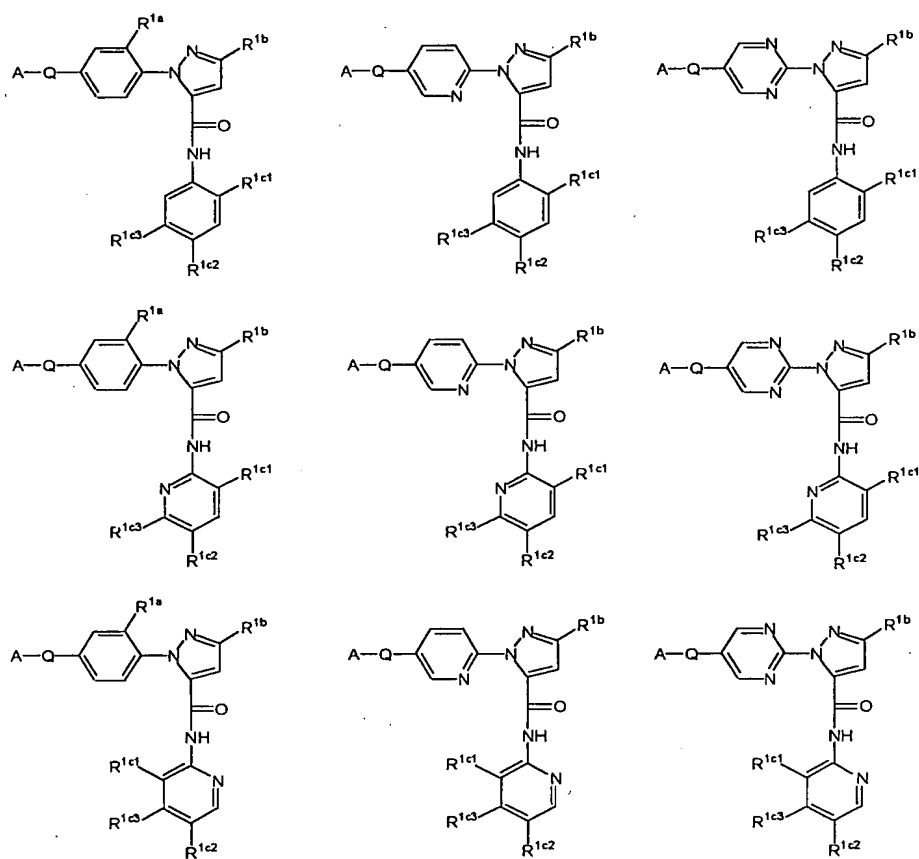
R^{1c2} is selected from the group consisting of:

-H, -F, -Cl and -Br;

R^{1c3} is selected from the group consisting of:

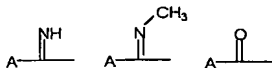
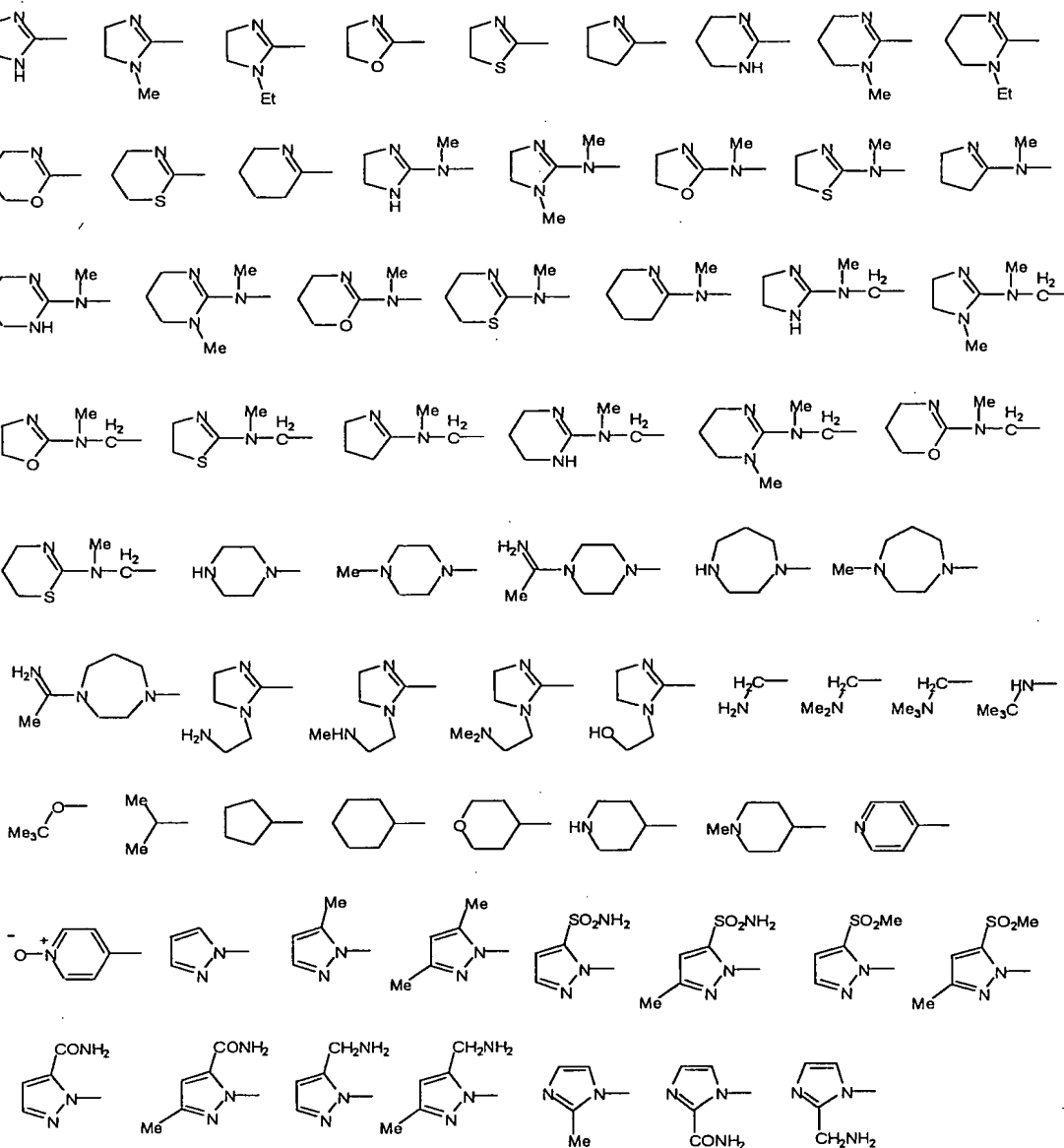
-H, -F, -Cl and -Br.

18. The following compounds are claimed by the present invention:



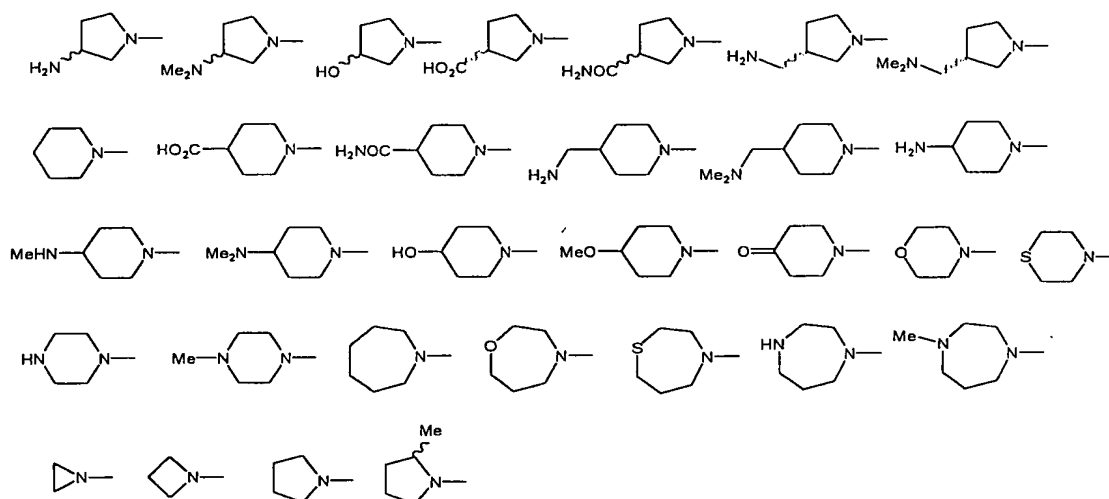
5 wherein:

$A-Q$ is selected from the group consisting of:



wherein:

A is selected from the group consisting of:



R^{1a} is selected from the group consisting of:

5 -H, -F, -Cl and -Br;

R^{1b} is selected from the group consisting of:

-H, -CH₃ and -CF₃;

R^{1c1} is selected from the group consisting of:

-H, -F, -CN, -CH₂NH₂, -CONH₂, -SO₂Me, -SO₂NH₂ and -NO₂;

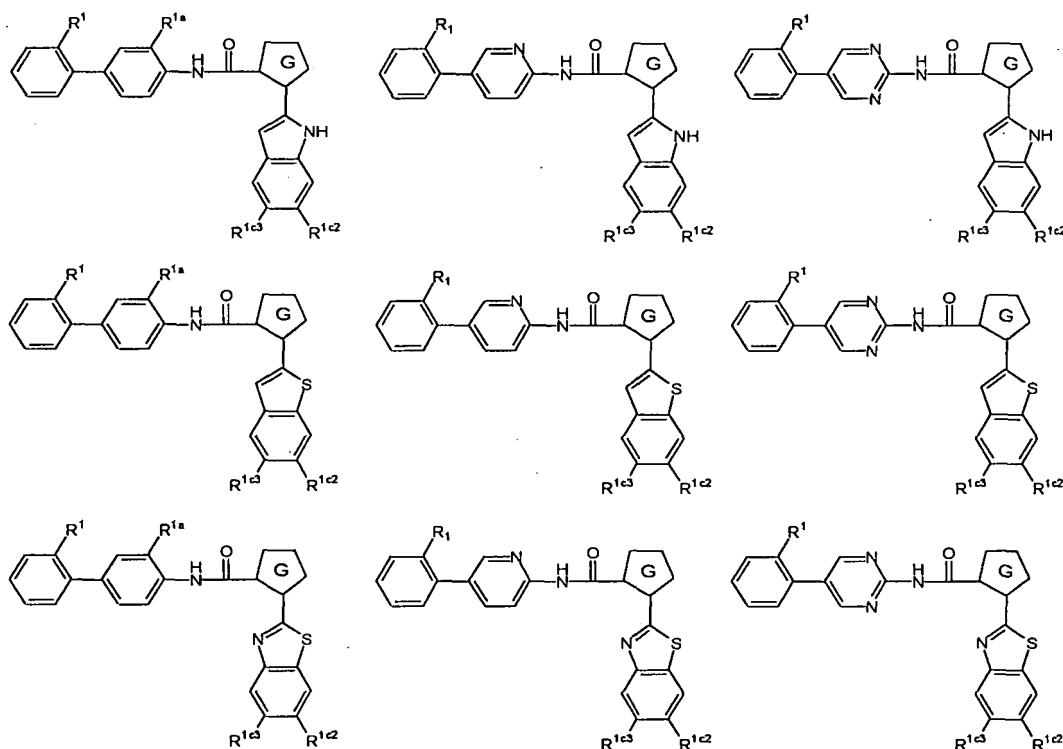
10 R^{1c2} is selected from the group consisting of:

-H, -F, -Cl, -Br and -OCH₃;

R^{1c3} is selected from the group consisting of:

-H, -F, -Cl, -Br, -OCH₃, -NH₂, -CH₂NH₂, -CONH₂, -CONHMe, -CONMe₂.

19. The following compounds are claimed by the present invention:



5 wherein:

R¹ is selected from the group consisting of:

-SO₂NH₂, -SO₂Me, -CH₂NH₂ and -CH₂NMe₂;

R^{1ᵃ} is selected from the group consisting of:

-H, -F, -Cl and -Br;

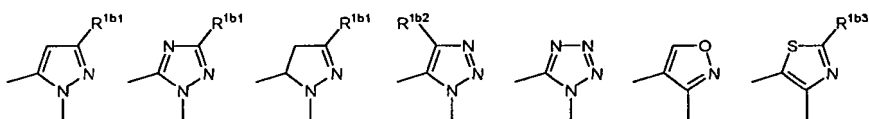
10 R^{1ᶜᵢ} is selected from the group consisting of:

-H, -F, -Cl, -Br, -NH₂, -OH, -SO₂Me, -SO₂Et, -SO₂NH₂, -NO₂, -CH₂NH₂, -CN, -CONH₂, -CH₂OH;

R^{1c2} and R^{1c3} are independently selected from the group consisting of:

-H, -F, -Cl and -Br;

5 G is selected from the group consisting of:



wherein:

R^{1b1} is selected from the group consisting of -H, -CH₃ and -CF₃;

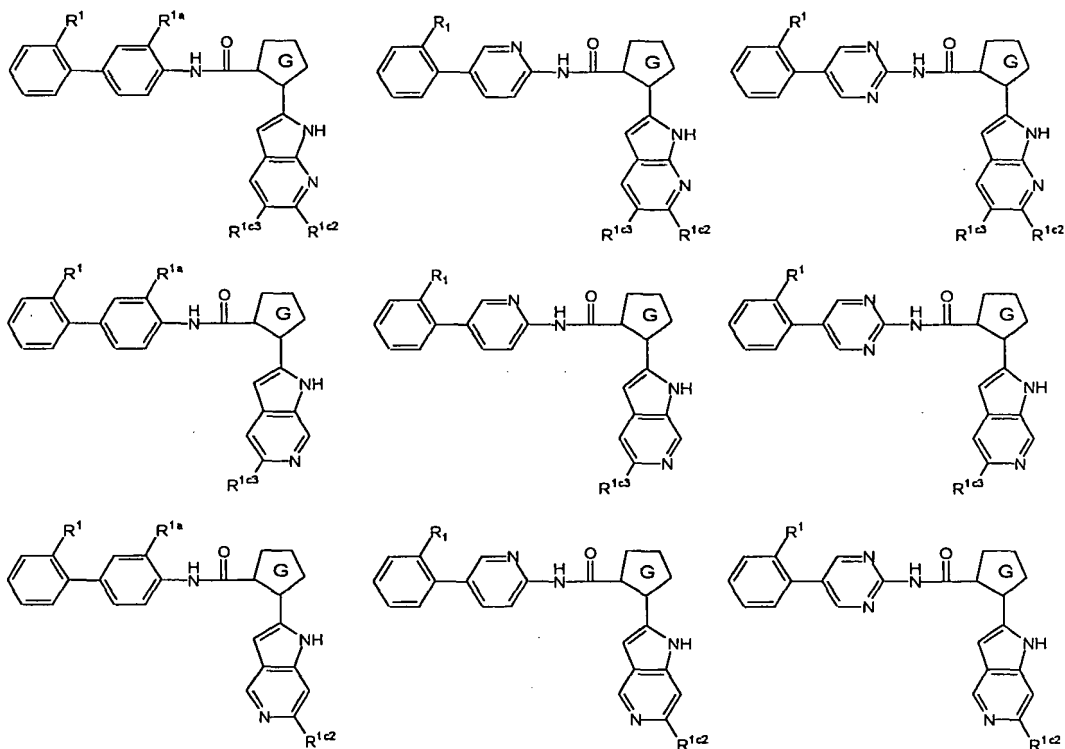
R^{1b2} is selected from the group consisting of -H, -CH₃ and -CF₃;

10 R^{1b3} is selected from the group consisting of -Cl, -NH₂, -CH₃ and -CF₃.

15

20

20. The following compounds are claimed by the present invention:



wherein:

R^1 is selected from the group consisting of:

5 -SO₂NH₂, -SO₂Me, -CH₂NH₂ and -CH₂NMe₂;

R^{1a} is selected from the group consisting of:

-H, -F, -Cl and -Br;

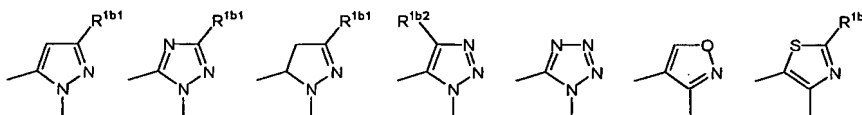
R^{1cl} is selected from the group consisting of:

10 -H, -F, -Cl, -Br, -NH₂, -OH, -SO₂Me, -SO₂Et, -SO₂NH₂, -NO₂, -CH₂NH₂, -
CN, -CONH₂, -CH₂OH;

R^{1c2} and R^{1c3} are independently selected from the group consisting of:

-H, -F, -Cl and -Br;

G is selected from the group consisting of:



5 wherein:

R^{1b1} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b2} is selected from the group consisting of -H, -CH₃ and -CF₃;

R^{1b3} is selected from the group consisting of -Cl, -NH₂, -CH₃ and -CF₃.

- 10 21. A pharmaceutical composition for preventing or treating a condition in a mammal characterized by undesired thrombosis comprising a pharmaceutically acceptable carrier and a pharmaceutically effective amount of a compound of claim 1.
- 15 22. A method for preventing or treating a condition in a mammal characterized by undesired thrombosis comprising administering to said mammal a therapeutically effective amount of a compound of claim 1.
23. The method of claim 6, wherein the condition is selected from the group consisting of:

acute coronary syndrome, myocardial infarction, unstable angina, refractory
angina, occlusive coronary thrombus occurring post-thrombolytic therapy or
post-coronary angioplasty, a thrombotically mediated cerebrovascular
syndrome, embolic stroke, thrombotic stroke, transient ischemic attacks,
5 venous thrombosis, deep venous thrombosis, pulmonary embolus,
coagulopathy, disseminated intravascular coagulation, thrombotic
thrombocytopenic purpura, thromboangiitis obliterans, thrombotic disease
associated with heparin-induced thrombocytopenia, thrombotic complications
associated with extracorporeal circulation, thrombotic complications
10 associated with instrumentation, and thrombotic complications associated with
the fitting of prosthetic devices.

24. A method for inhibiting the coagulation of biological samples, comprising the
step of administering a compound of claim 1.

15

25. A pharmaceutical composition for preventing or treating a condition in a
mammal characterized by undesired thrombosis comprising a pharmaceutically
acceptable carrier and a pharmaceutically effective amount of a compound of claim 2.

20 26. A method for preventing or treating a condition in a mammal characterized by
undesired thrombosis comprising administering to said mammal a therapeutically
effective amount of a compound of claim 2.

27. The method of claim 10, wherein the condition is selected from the group
25 consisting of:

acute coronary syndrome, myocardial infarction, unstable angina, refractory
angina, occlusive coronary thrombus occurring post-thrombolytic therapy or
post-coronary angioplasty, a thrombotically mediated cerebrovascular
syndrome, embolic stroke, thrombotic stroke, transient ischemic attacks,
5 venous thrombosis, deep venous thrombosis, pulmonary embolus,
coagulopathy, disseminated intravascular coagulation, thrombotic
thrombocytopenic purpura, thromboangiitis obliterans, thrombotic disease
associated with heparin-induced thrombocytopenia, thrombotic complications
associated with extracorporeal circulation, thrombotic complications
10 associated with instrumentation, and thrombotic complications associated with
the fitting of prosthetic devices.

28. A method for inhibiting the coagulation of biological samples, comprising the
step of administering a compound of claim 2.

15

29. A pharmaceutical composition for preventing or treating a condition in a
mammal characterized by undesired thrombosis comprising a pharmaceutically
acceptable carrier and a pharmaceutically effective amount of a compound of claim 3.

20 30 A method for preventing or treating a condition in a mammal characterized by
undesired thrombosis comprising administering to said mammal a therapeutically
effective amount of a compound of claim 3.

31. The method of claim 30, wherein the condition is selected from the group
25 consisting of:

acute coronary syndrome, myocardial infarction, unstable angina, refractory
angina, occlusive coronary thrombus occurring post-thrombolytic therapy or
post-coronary angioplasty, a thrombotically mediated cerebrovascular
syndrome, embolic stroke, thrombotic stroke, transient ischemic attacks,
5 venous thrombosis, deep venous thrombosis, pulmonary embolus,
coagulopathy, disseminated intravascular coagulation, thrombotic
thrombocytopenic purpura, thromboangiitis obliterans, thrombotic disease
associated with heparin-induced thrombocytopenia, thrombotic complications
associated with extracorporeal circulation, thrombotic complications
10 associated with instrumentation, and thrombotic complications associated with
the fitting of prosthetic devices.

32. A method for inhibiting the coagulation of biological samples, comprising the
step of administering a compound of claim 3.

15

33. A pharmaceutical composition for preventing or treating a condition in a
mammal characterized by undesired thrombosis comprising a pharmaceutically
acceptable carrier and a pharmaceutically effective amount of a compound of claim 4.

20 34. A method for preventing or treating a condition in a mammal characterized by
undesired thrombosis comprising administering to said mammal a therapeutically
effective amount of a compound of claim 4.

35. The method of claim 34, wherein the condition is selected from the group
25 consisting of:

acute coronary syndrome, myocardial infarction, unstable angina, refractory
angina, occlusive coronary thrombus occurring post-thrombolytic therapy or
post-coronary angioplasty, a thrombotically mediated cerebrovascular
syndrome, embolic stroke, thrombotic stroke, transient ischemic attacks,
5 venous thrombosis, deep venous thrombosis, pulmonary embolus,
coagulopathy, disseminated intravascular coagulation, thrombotic
thrombocytopenic purpura, thromboangiitis obliterans, thrombotic disease
associated with heparin-induced thrombocytopenia, thrombotic complications
associated with extracorporeal circulation, thrombotic complications
10 associated with instrumentation, and thrombotic complications associated with
the fitting of prosthetic devices.

36. A method for inhibiting the coagulation of biological samples, comprising the
step of administering a compound of claim 4.

15